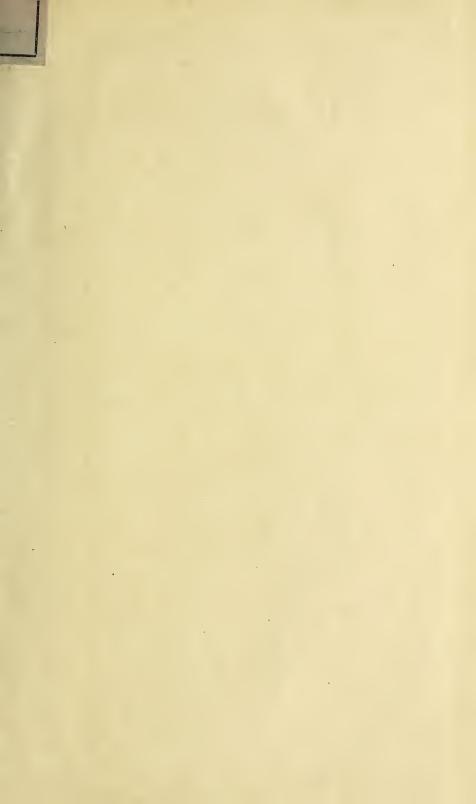


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The Commonwealth of Passachusetts

## ANNUAL REPORT

OF

THE TRUSTEES

OF THE-

# WORCESTER STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1920

DEPARTMENT OF MENTAL DISEASES



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET



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Department of Mental Diseases



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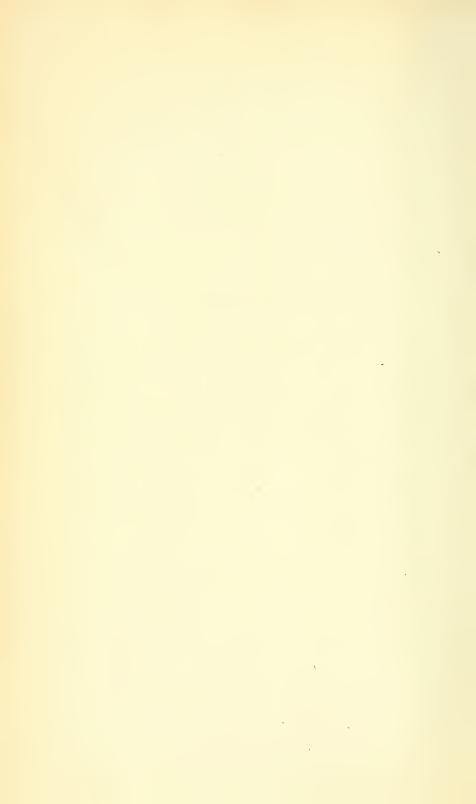
Wass Officials.

PUBLICATION OF THIS DOCUMENT
APPROVED BY THE
SUPERVISOR OF ADMINISTRATION.

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## OFFICERS OF THE HOSPITAL.

#### TRUSTEES.

Edward F. Fletcher,					Worcester.
OHN E. WHITE,					Worcester.
TOHN G. PERMAN, .					Worcester.
LUTHER C. GREENLEAF,					Boston.
CAROLINE M. CASWELL,					Boston.
Mae Carlson,					Worcester.
WILLIAM J. DELEHANTY,					Worcester.

#### RESIDENT OFFICERS.

B. Henry Mason, M.D., .			Acting Superintendent.
DONALD R. GILFILLAN, M.D.	, .		Senior Assistant Physician.
ARTHUR H. MOUNTFORD, M.I	D.,		Senior Assistant Physician.
ROBERT B. HARRIMAN, M.D.,			Assistant Physician.
WILLIAM J. VIVIAN, M.D.,			Assistant Physician.
Michael J. O'Meara, M.D.,			Assistant Physician.
Roy C. Jackson, M.D., .			Assistant Physician.
Ada F. Harris, M.D., .			Pathologist.
Elsie I. Richards, R. N.,			Superintendent of Nurses.
MARY M. CATON,			Head Occupational Therapist.
HERBERT W. SMITH,			Steward.
LILLIAN G. CARR,			Matron.
Joseph F. Reynolds, .			Farmer.

#### NONRESIDENT OFFICERS.

JENNIE A. HARRINGTON, .			Social Service Worker.
BURTON W. LORING, D.D.S.,			Dentist.
George W. Pareseau, .			Druggist.
Jessie M. D. Hamilton, .			Treasurer.
James Dickison, Jr., .			Engineer.



## The Commonwealth of Wassachusetts

### TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester State Hospital respectfully submit their eighty-eighth annual report, with the reports of the acting superintendent and treasurer appended. They ask that careful attention be given the items presented by the acting superintendent, Dr. B. Henry Mason. The trustees deem Dr. Mason most efficient, and believe he has the kind of constructive business ability which make his plans for the increased usefulness of the hospital worth careful thought.

The construction of the new laundry, now nearly completed, will give much better facilities for the industrial work, which is a most valuable factor in the lives of the inmates, but the cold-storage plant and the alterations in kitchen and bakery, to which attention has been called for several years, are still in the future. Fireproof stairs for protection in case of fire are most essential, and we urge the consideration of this necessity. In the Summer Street Department the renovation of the air chambers in the basement should have attention unless this department is to be taken over by the United States in accordance with the following bill, passed at the last session of the General Court:—

Resolved, That the governor and council be authorized to lease to the United States of America, for the use of any department thereof, the land and buildings, or any part thereof, comprising the Worcester State Hospital, for a term not exceeding five years and for such rental as the governor and council may fix; but no person shall obtain a settlement in this commonwealth by reason of his residence at said institution during the period of said lease.

The help situation has been critical at the hospital as elsewhere, but relief seems to be in sight. Many patients have

helped materially in alleviating the shortage. Better salaries should be available, however, to increase efficiency. All departments are in operation, and the various members of the staff have been faithful to the trust imposed upon them. The trustees thank one and all.

It is most fitting to mention the resignation of Miss Georgie A. Bacon of Worcester, chairman of the Board, who has served since 1911, and of Mr. Donald Gordon of Boston, secretary of the Board, who was elected in 1915. Both members were valuable to the hospital, and will be greatly missed by their co-workers.

The present Board will do its best to be of service, but the lack of initiative required and the stereotyped form of work necessarily done reduce the possibility of achievement to the minimum. We respectfully call the attention of His Excellency the Governor and the Honorable Council to the fact that such service is a sacrifice without adequate compensation in accomplishment, and urge the consideration of some plan by which the ability of the various trustees of all similar institutions can be focalized for the advancement of the great and important matter of mental hygiene and its relative subjects.

## Respectfully submitted,

EDWARD F. FLETCHER.
JOHN E. WHITE.
JOHN G. PERMAN.
LUTHER C. GREENLEAF.
CAROLINE M. CASWELL.
MAE CARLSON.
WILLIAM J. DELEHANTY.

Nov. 30, 1920.

## ACTING SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester State Hospital.

I herewith respectfully submit the following report of the hospital for the year ending Nov. 30, 1920, it being the eighty-eighth annual report.

There remained on the hospital books Oct. 1, 1919, 1,873 patients, — 997 men and 876 women. During the year ending Sept. 30, 1920, there were admitted 970 patients, — 506 men and 464 women. Five hundred and seventy-two patients — 331 men and 241 women — were discharged from the hospital. Of this number, 300 patients — 184 men and 116 women were discharged: 233 patients — 143 men and 90 women died; 39 patients — 4 men and 35 women — were transferred, leaving at the end of the statistical year 2,271 patients, — 1,172 men and 1,099 women. One thousand nine hundred and seventy-one patients — 997 men and 974 women — were actually in the hospital. Of this number, 1,769 were supported by the State, 110 by friends, and 92 as reimbursing patients. Of the patients discharged, 65 were reported as recovered, 153 as improved, and 56 as not improved. Twenty-six patients — 17 men and 9 women — were discharged as not insane. Twentyfour women were transferred by the Department of Mental Diseases to the Gardner State Colony; 2 men and 4 women to the State Infirmary; 2 men and 1 woman to the Danvers State Hospital; 3 women to the Foxborough State Hospital; 1 woman to Dr. Wiswall's; 1 woman to the Medfield State Hospital; 1 woman to the Boston State Hospital. Eleven men and 3 women were removed from the State, and 12 men and 11 women were deported.

There remained in the hospital at the end of the year 406 more patients than at the beginning. The smallest number under treatment on any day was 1,571 patients, and the largest, 2,046. The daily average was 1,913.93.

The percentage of recoveries calculated upon the number of discharges and deaths was 11.3; calculated upon the number of admissions, 7.1. In order, however, to make an honest comparison with last year it is necessary to subtract 433, the number of chronic cases received by reason of the absorption of the Summer Street Department, Dec. 1, 1919, from the total number of admissions for the year, which shows a percentage of 12.1, or an increase of .92 per cent over the showing of the preceding year.

The death rate was 8.1 calculated on the whole number of patients under treatment, and 12.1 calculated on the daily average number.

Although there was an increase of 324.83 in the daily average number of patients under treatment over that of 1919, 12 less deaths occurred in the hospital.

Six hundred and seventeen patients were admitted during 1919, and 532 (not including those received by reason of the Summer Street acquisition) the past year, or a decrease in the whole number of admissions of 85.

### PSYCHOSES OF FIRST ADMISSIONS.

The accompanying table shows there was a total of 371 admitted for the first time during 1920, against 379 for the preceding year (14 of this number, or 3.7 per cent, were suffering from mental disease due to the excessive use of alcohol), and 43, or 11.3 per cent, for the year 1919, or a decrease of 67.5 per cent in the number of alcoholic admissions during the past statistical year. These findings should be convincing evidence that prohibition is a bulwark of mental as well as physical strength for our fellow beings.

There was quite an increase in the number of cases of cerebral arteriosclerosis and general paralysis admitted. Twentysix and one-sixth per cent of first admissions were suffering from dementia præcox, and 6.1 per cent from manic-depressive insanity. There was only 1 case of pellagra admitted during the year. Seven patients — 5 men and 2 women — committed were not insane. The Wassermann reaction on the blood serum was positive in 11.32 per cent of the first admissions.

Psychoses of First Admissions, 1919-20.

		1920.			1919.	
Psychoses.	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
Traumatic,	_	1	1	-	_	_
Senile, . :	8	25	33	20	24	44
With cerebral arteriosclerosis,	49	27	76	29	4	33
General paralysis,	31	3	34	15	2	17
With cerebral syphilis,	1	1	2	2	-	2
With Huntington's chorea,	1	_	1 -	_	_	
With other brain or nervous diseases,	-	-	-	1	2	3
Alcoholic,	14	-	14	37	6	43
Due to drugs and other exogenous	-	_	_	-	1	1
toxins. With pellagra,	-	1	1	-	2	2
With other somatic diseases,	1	8	9	5	8	13
Manic-depressive,	8	15	23	7	16	23
Involution melancholia,	3	12	15	4	9	13
Dementia præcox,	63	36	99	61	47	108
Paranoia and paranoic condition, .	3	_	3	_	6	6
Psychoneurosis,	2	6	8	1	1	2
With mental deficiency,	10	7	17	7	5	12
With psychopathic personality,	5	3	8	1	2	3
Epileptic,	3	3	6	_	1	1
Undiagnosed,	6	8	14	13	11	24
Not insane,	5	2	7	22	7	29

There were 102 men and 55 women, a total of 157 persons, admitted as emergency, temporary-care or observation cases, of which 123 were regularly committed; of the 34 not committed, 6 regained their normal mental poise, 14 were not insane, 5 were discharged improved, 6 not improved, and 3 died.

There have been several criminals admitted during the year. One of these cases was an incorrigible girl received from the Reformatory for Women, who showed no evidence of a psychosis. It should be regarded as most unfortunate that provision has not been made where rational care and treatment could be provided for this class of cases. They are a problem

which should not have to be dealt with by a hospital for the insane.

During the year 28 ex-service men were admitted. The following summary shows their mental classification and environmental states at the end of the statistical year, which shows 50 per cent have been returned to the community. There were 4 soldiers admitted to the hospital as temporary-care or observation cases that were not committed, making a total of 32 admissions. Of those not committed, but for whom satisfactory arrangements were made for their care in the community, 1 was a case of manic-depressive psychosis, one dementia præcox, and 1 psychopathic personality. The fourth was a case of encephalitis lethargica, and died after a residence of five days.

Soldiers and Sail	ors, 1920.
-------------------	------------

,				First	Re-		Presi	ENT STA	TUS.
Рѕусн	OSES	•		Ad- missions.	admis- sions.	Totals.	In the Hospital.	On Visit.	Dis- charged.
General paralysis,				_	1	1	1	-	_
Alcoholic,				2	1	3	-	1	2
Dementia præcox,				11	7	18	11	6	1
Mental deficiency,				2		2	-	2	-
Psychopathic person	nalit	y,		1	-	1	-	1	-
Unclassified, .				-	1	1	1		1
Not insane, .				1	1	2	1	-	1

#### HEALTH OF THE POPULATION.

The general health of the institution has been good. There were 2 sporadic cases of parotitis, and 3 of varicella, among the employees. One attendant, who had been in the service of the hospital nearly a year, died, after a comparatively short illness, of tuberculosis of the stomach and liver. A male patient suffering from manic-depressive psychosis, who had experienced recurring attacks of depression and excitement, had apparently recovered from a disturbed period and was under consideration for dismissal from the hospital when he committed suicide by hanging. A female patient died from asphyxiation resulting from laryngeal obstruction by a bolus of cake which

she appropriated in the dining room. Both these deaths were investigated by the medical examiner and Dr. Myrtelle M. Canavan of the Department of Mental Diseases.

#### PRINCIPAL CAUSES OF DEATHS.

Twenty-nine and one-tenth per cent of all deaths were due to arteriosclerosis and cardiovascular renal disturbances; 21 to pneumonia;  $16\frac{1}{10}$  to syphilis of the central nervous system; and  $2\frac{1}{10}$  to pulmonary tuberculosis.

#### STAFF CHANGES.

The following changes have taken place on the staff of the institution:—

Dr. George K. Butterfield, senior assistant physician, and Dr. Michael J. O'Meara, assistant physician, formerly on the staff of the Grafton State Hospital, stationed at the Summer Street Department, became members of our staff Dec. 1, 1919.

Dr. Roy C. Jackson, a former member of the staff, returned to the service Dec. 1, 1919.

Dr. George K. Butterfield was transferred to the Danvers State Hospital July 10, 1920, and Dr. William J. Vivian was transferred from the main hospital to fill the vacancy.

Several vacancies still remain unfilled.

Miss Alice M. Flint resigned Oct. 7, 1920, to accept the position as head dietitian at St. Luke's Hospital, New Bedford, beginning at a salary considerably more than we could offer her. Miss Gladys E. Johnson was appointed head dietitian Nov. 1, 1920, to fill the vacancy.

Five third-year medical students served as internes during the summer: —

Miss India Hunt of the Women's College of Pennsylvania, from June 24, 1920, to Aug. 18, 1920.

Miss Sarah Mu Jin Ching of the Women's College of Pennsylvania, from June 24, 1920, to Sept. 29, 1920.

Mr. Charles H. Griffin of Tufts Medical College from June 1, 1920, to Sept. 4, 1920.

Mr. Leo V. Conlon of Tufts Medical College from June 1, 1920, to Sept. 4, 1920.

Mr. John J. Dunphy of Harvard Medical College from June 28, 1920, to Sept. 4, 1920.

Arrangements have been made with Miss Marjorie Bates, a student at Clark University, to do the psychological work for the hospital during her college year.

#### MEDICAL AND PSYCHIATRIC WORK.

During the year 238 staff meetings were held at which 687 cases were presented. The same routine has been observed in the presentation of patients, and at the literature and laboratory conferences, as was described in last year's report. The several vacancies on the staff led to the greatest amount of our energy being consumed in the performance of the necessary routine work of both the clinical and pathological departments. However, our assistants deserve credit for the conscientious manner in which they have cared for over 532 admissions, a daily population of nearly 2,000 patients, and 97 autopsies. Five papers have been prepared. An increasing amount of clinical work has been carried on through our out-patient department; and through the co-operation and assistance of the superintendent of schools, Mr. Thomas F. Gibbons, a mental clinic was established in Clinton during the month of October. The work of the pathological department is given in detail in the report of the pathologist, which is appended.

The rapid progress made in psychiatry the past few years by systematic study and research, and the general recognition which it received during the late war, places it on a scientific plane equivalent to medicine and surgery. In order to meet the responsibilities and maintain the prestige as one of the major departments of the healing art, it is imperative that conditions should be so effected that it will be possible to secure and organize a staff of competent workers that will be energetic and skillful in making complete observations and examinations of living patients; scientific correlation of the clinical and pathological findings; and a force in teaching and promulgating the principles of mental health. It may be possible to demonstrate the modus operandi of cures when we have become more enlightened and skilled in the therapy and pathology of the endocrine disturbances, but I would venture to

suggest that in the field of mental hygiene the greatest strides in psychiatry will be made in the immediate future by coming more directly into daily contact with the community through closer and better co-operation with the dispensaries, general hospitals, social agencies, neurologists and the psychologists. We must be ever cognizant of the fact that hospitals offer opportunities which private practice can never afford. For this reason it would appear that it becomes the duty of the State and of us, as public servants, to offer inducements that will encourage undergraduates and physicians to avail themselves of the advantages of State hospital work and affiliation.

#### Syphilitic Clinics.

The treatment of syphilitic patients, showing involvement of the central nervous system, has been carried on by Dr. Ada F. Harris.

Three weekly clinics have been held, 2 at the Summer Street Department and 1 at the main hospital. Sixty-nine patients received treatment, 1,298 intravenous injections of arsphenamine, 573 intramuscular injections of mercury salicylate, and 7 intraspinous injections of arsphenimized serum being given.

All of the cases of paresis have been in the latter stages of the disease, where little can be anticipated from treatment except to make the patient less destructive or excited, and a more comfortable hospital case. Four patients improved to such an extent they were able to go out on visit and report weekly for treatment. The following table will show diagnosis and disposition of cases, and emphasizes the fact that diagnosis of syphilis should be made early, and thorough treatment given before the disease has ravaged the central nervous system:—

PSYCHOSES.	Men.	Women. Total.	Total.	WASSERMANN.		Gold	Serological Improved.	GICAL VED.		Eloped. Dis-		Im- proved	Died.	Re- maining
				Blood.	Spinal.	Globu- lin.	Blood.	Spinal.	proved.			Visit.		pital.
General paralysis,	34	2	41	+	+	+	10	23	~	,	4	4	1-	26
Cerebrospinal syphilis,	c)	I	63	+	+	+	1	1	-	1	1	1	1	1
Congenital syphilis,	1	63		+	+	+	1	1	П	ı	1	1	1	63
Tabes,	1	1	1	+	+	+	-	1	1	ı	1	ı	1	1
Alcoholic hallucinosis,	H	-	c3	+	1	1	53	1	1	23	ı	1	1	ı
Dementia præcox,	co	2	10	+	ı	ı	7.0	1	ı	ı	1	1	1	10
Manic-depressive,	ı	н		+	1	1	-	1	1	ı	1	1	1	-
Imbecile,	1	9	9	+	1	1	4	1	1	ı	ı	1	1	9
Unclassified,	-	ı	-	ı	1	1	1	1	1	ı	I	1	1	-
Not insane,	61	1	63	+	1	ı	2	ı	ı	1	1	1	1	1

Stimulated by a philanthropic motive to be of the greatest possible service to those unfortunate fellow beings suffering with a loathsome disease, and who, without skillful and intensive treatment, have a life expectancy of about three years, during which they must pass through a period of increasing degradation, when the citadel of reason and physical strength will be seen to totter and finally succumb to death, arrangements have been made for a representative of the hospital to visit the venereal clinic which is held at the City Hospital, outpatient department, at least once a month, in the capacity of a consultant. By this arrangement, which will aid the officers of the clinic in effecting a complete routine neurological and serological examination of the cases, those having early involvement of the central nervous system will be detected, and the progress of the disease checked in its incipiency by the administration of specific treatment according to the individual requirements of the case.

#### OCCUPATIONAL AND INDUSTRIAL THERAPY.

We were fortunate to secure the services of Miss Mary M. Caton on Nov. 1, 1920, as head occupational therapist. For nearly two years she was in the United States Army, engaged in reconstruction and occupational work.

The arrangement of the work in this department as organized at the present time consists of three main divisions, — arts and crafts, diversional activities, and re-education or habit forming.

The vocational instructor consults with the physicians relative to the early selection of cases and the type of work best suited to the patient. Many of the patients go to the male and female industrial rooms, and classes are also held on the various wards; among the acute cases this requires much individual attention. Idleness is even more conducive to mental, moral and physical deterioration in the individual who is mentally deranged than in the person with a normal psychological rating. Wholesome exercise and employment, which serves to stimulate the functions of the body, is an essential requisite for all beings.

Miss Julia Cooper, R.N., who has been in charge of the work in the female department, and Mr. Fred Corkum of the male department deserve mention for the creditable manner in which they have carried on the work the past year.

Our annual Christmas exhibition and sale attracted an unusually large attendance.

#### Social Service.

Miss Jennie A. Harrington has demonstrated a great capacity for work and untiring effort by her activities in this department of the hospital, which is much too large for one person to cope with satisfactorily. The assistance of another field worker and a volunteer worker are urgently needed to meet the demands of the institution. Miss Harrington's report is appended.

#### Training School.

The administrative duties and guidance of the work in the school has continued under the successful supervision of Mrs. Elsie I. Richards, who has experienced difficulties at times, owing to the lack of qualified applicants to fill vacancies, and our inability to offer sufficient inducements to retain many of our graduates in the service. All members of the intermediate class were sent to the Boston City Hospital for their affiliating work, and the curriculum somewhat increased.

A class of 7 seniors was graduated Oct. 30, 1920. After the exercises, a reception and dance was held for the class and their friends. The resignation of Miss Jennie C. Putnam, assistant superintendent of nurses, who had shown both energy and efficiency as an instructor, was accepted with regret. The vacancy was filled by the appointment of Mrs. Merle Maulsbury, a graduate of the Memorial Hospital of Worcester.

## HYDROTHERAPY AND ELECTROTHERAPY.

The hydrotherapeutic department has been active under the supervision of a married couple experienced in nursing and hydrotherapy. All treatment is carried out in accordance with a prescription written by the physician in charge of the case.

The wall plate and portable apparatus have been of service in a few cases during the year.

Dr. Arthur H. Mountford has done the X-ray work and kept the records of that department. He reports that 17 fluoroscopic examinations have been made and a total of 37 treatments for epithelioma given to three patients. One hundred and five skiagraphs were taken, as follows:—

Hip,				3	Teeth,			16
Wrist,				3	Shoulder, .			5
					Chest,			
Head,				11	Pituitary, .			12
					Bullet wound,			

The need and importance of a Roentgen ray examination of many of our admissions as an aid in ascertaining the cause, making a diagnosis and prescribing treatment is plainly evident, but the pressure of routine duties would not permit of more time being given to this work.

#### DENTISTRY.

Our dentist, Dr. Burton E. Loring, has visited the main hospital one day a week, and reports the following work done:—

Extractions,											517
Amalgam filling	s,		• 70						٠.		77
Cement, .											52
Treatment and	temp	ora	ry fil	lings,							67
Bridges set, .											9
Cleanings, .											153
Examination of	pati	ents	for	whom	no	work	wa	s doi	ıe,		192

The dental needs of the patients at the Summer Street Department have been attended by Dr. A. J. Harpin. During the year 400 patients were examined and the following work done:—

au						
Silver and cement fillings,					٠	101
Gums treated and teeth cleane	ed,					160
Teeth and roots extracted,						95
Sets of teeth made,						2
Sets of teeth repaired,						4

#### EMPLOYEES.

The general prosperity of the country, which made it possible during the early part of the year for the more desirable persons to obtain work that was more congenial and better paid, led to much difficulty in obtaining a sufficient number of employees to properly carry on the work of the different departments. There was an average shortage during the year of 26.2 per cent, but the situation was the most acute during the month of June, when there was only 65.1 per cent of our normal quota of employees on the pay roll. A gradual increase in the amount of work and our inability to fill vacancies made the burdens of the clerical force unusually hard. Although quite a material increase in wages was made by the adoption, the first of June, of the new schedule recommended by the Department of Mental Diseases, but little relief was experienced until the beginning of the business recession which is now making itself felt. This, together with the approach of winter, has made it possible to exercise more care in the selection of the applicants for positions, with a corresponding improvement in discipline and the character of the services rendered.

#### FARM AND GARDEN.

Although our head farmer was seriously handicapped during the spring and early summer by the extreme shortage of labor, which could not be entirely compensated by increasing the number of patients employed in that department, the year has been a successful one. Owing to the dry season, and perhaps to some lack of sufficient care, the ensilage and potato crops were below normal. There were \$14,076.57 worth of garden produce raised; \$7,662.50 of hay, ensilage and green fodder; and 1,064 bushels of sweet corn. The dairy herd produced 364,393 quarts of milk and 8,967 pounds of beef; 25,976 pounds of pork were dressed. The poultry department furnished the institution with 2,755 pounds of dressed fowl, 45,939 eggs, and 56 pounds of duck. The cattle were tested for the presence of tuberculosis this fall by a representative of the Bureau of Animal Industry, and those condemned disposed of. About 2 acres of land were cleared. A ditch about 700 feet long was dug to drain a section of the large field on Belmont Street, and a large trench,  $2\frac{1}{2}$  feet wide and over 5 feet deep, extending from Plantation Street to and back of the hospital, a distance of 1,800 feet, for our additional water supply, was dug by disturbed male patients under the supervision of two attendants.

#### REPAIRS AND IMPROVEMENTS.

The results of the reorganization and consolidation of the various units of the repair department made last year have been satisfactory from both an economical and efficient point of view. The renovation and remodeling of Wheeler Cottage No. 2, so that it will furnish very desirable accommodations for two of our employees and their families, is nearly completed. A milk room and pasteurizing plant have been built and are now ready for the installation of the machinery. The dormitory at our Hillside Farm was painted outside and inside, the farm house inside and also the new hog house. Four wards at the main building were painted, and all the toilets, bathrooms and clothes rooms in the Appleton section. The iron grill work and woodwork of the Woodward roof exercise space were repaired and painted, also two automobiles and two trucks. electric motor was installed in place of the old gasoline engine for the pump at Hillside Farm. During the month of April all useful laundry machinery and equipment was removed from the Summer Street Department and installed at the main hospital, where all laundry operations are now carried on. Individual motors were installed for the bread and cake mixers in the bakery, and for the potato peeler, meat chopper and icecream freezer. The governor wheel of one of the engines was rebored, the settings of 7 boilers were repaired and a new boiler feed pump installed. In addition, a large amount of repair work has been done on the wards and various departments of the institution by the carpenters, painters, steam fitter, mason, plumbers and electrician.

The severe weather of last winter made it necessary to make quite extensive repairs on the slate, valleys, metal vents, skylights, copings, etc., of the roofs of the various buildings.

With the exception of the steam fitting, plumbing, electric wiring and painting done by the hospital mechanics, the work

of building the addition and making alterations on the laundry, for which a special appropriation was received, was let to a general contractor, and I am pleased to report is well under way to completion.

The new cottage for 30 patients at Hillside Farm was occupied early in the year.

#### REQUIREMENTS.

I desire to call to your attention the pressing needs of special appropriations for the erection of a cold-storage building and storehouse, for alterations on the kitchen and bakery, and for fireproof stairways, as outlined in the report of last year. Among other wants of the institution, less urgent but desirable, are a congregate dining room, the installation of a sprinkler system for the attics, and the elevation of the Washburn roof, which would afford provision for a very satisfactory ward for the accommodation of about 20 patients.

At the Summer Street Department the fire hazard which exists, due to the present condition of the old heat shaft in the basement, makes it imperative that an appropriation should be granted in order to efface an ever-threatening catastrophe.

The present engine room, which does not well meet our present needs, is in need of extensive repairs, and the refrigerating apparatus which has been in operation over seventeen years is completely worn out. I would therefore respectfully call to your attention that by building a new engine room as planned when the boiler house was erected, the old engines and dynamos could be used, and the installation of a new ice machine of 8-ton capacity would be sufficient for our needs in the kitchen, and also furnish refrigeration for a mortuary.

#### Amusements.

The weekly dances, motion-picture shows, Saturday afternoon parties and miscellaneous entertainments have been held in the chapel. Several new phonograph records have been bought and a new machine provided at the Summer Street Department.

#### Miscellaneous.

Regular religious services have been held at both the main hospital and the Summer Street Department.

We wish to thank the publisher of the "Fitchburg Sentinel" for copies of his paper, and the Royal Worcester Corset Company for magazines.

I desire to express my appreciation to all employees who have been faithful and efficient in the performance of their duties, and to your Board for the ever-ready advice and counsel in dealing with the affairs of the institution.

B. HENRY MASON,

Acting Superintendent.

Nov. 30, 1920.

# REPORT OF THE SOCIAL SERVICE DEPARTMENT.

To the Acting Superintendent.

I herewith respectfully submit the following report of the social service department for the year ending Nov. 30, 1920.

The work has been carried on during the year very much as outlined in last year's report. The following table shows the number and nature of cases handled during the year:—

			Ho Vis	ME ITS.	Work.	istories.	Inves		F	Boardi Pati	NG-OU	т
			Patient.	Relatives.	Social Case	Securing Hi	Home.	Others.	Visits.	Placed.	Replaced.	Returned.
Male, .			24	36	3	53	12	12	_	-	-	-
Female,	. •		76	24	40	31	- 30	24	111	3	-	10
Total,			100	60	43	84	42	36	111	3	-	10

In addition to the above table, 34 soldier cases have been considered. All ex-service men are referred to the local Red Cross chapter, who attend to all matters of guardianship, insurance, compensation, etc. All social service problems of soldiers are handled by the social service department. Suitable employment has been secured for 9 patients.

The charitable agencies, overseers of the poor, police departments and churches in various communities have all been very co-operative, and have come to our aid when assistance was desired.

During the year there have been introduced in all the State hospitals of Massachusetts new social service folders and new forms for monthly statistical reports. The social service record in the new folder is filed with the medical record. On the outside of the folder are recorded the social data of the patient, thus enabling the physician or social worker at a glance to get the outstanding social factors of the case. The statistics show the true volume of the work of the department, and help tell the story of what the department is doing and its policies.

This department is unable to develop the work, or to do as thorough work as desired, because of only one worker in the department. The territory covered is extensive, including Worcester, Middlesex and part of Suffolk counties. One hundred and ninety-three patients are on visit, and are to be visited at least once during the year. Forty-eight of the patients on visit need special supervision, and often serious family difficulties must be adjusted. The number of investigations and histories to be secured by the department demand much time. It is hoped that at least one more worker may be added during the year.

This department strives never to forget that social service means personal service in every sense of the word.

JENNIE A. HARRINGTON,

Social Worker.

Nov. 30, 1920.

## LABORATORY REPORT.

To the Acting Superintendent of the Worcester State Hospital.

The following report of the laboratory work for the year ending Nov. 30, 1920, is respectfully submitted:—

#### Clinical Work. Urine analyses, . 1.207 Cerebrospinal fluid examinations, . 97 Sputums, . 56 Blood cultures, . 3 Blood counts, . 27 Blood smears for malaria, 2 4 Throat cultures, 8 Gastric contents. 1 Smears: cervix and vagina, . 33 Autogenous vaccine, . . . 7 Animal inoculation, . 2 Post-mortem smears and cultures, 57 3 . Total, . .

Histologic examinations have been made of 10 autopsied cases, 2 of which are being studied in detail with various stains.

Eight laboratory staff meetings were held during the year, at which meetings cases were presented by the pathologist, and one each by student internes on cases assigned to them and prepared under supervision of the pathologist.

Work in the laboratory has progressed with difficulty, as no technician or stenographer has been available, with the exception of two months during the year, and the stenographic records as well as the clinical work and arsphenamine treatments have fallen to the lot of the pathologist.

Ninety-seven autopsies, being 39 per cent of the deaths, have

been performed, with the following psychiatric and major anatomical diagnoses: -

Psychoses: —										
Dementia præcox: -										
Hebephrenic,										. 5
Paranoid, .										. 8
Paranoid, . Catatonic, .										. 5
Manic-depressive: -										
Manic, .										. 1
Depressed,										. 4
General paralysis,										. 16
Epilepsy,										. 2
Senile: —		•								
Simple, .										. 18
Simple, . Presbyophrenic,	,									. 1
Paranoid, .										. 3
Depressed and a	agita	ted,								. 1
Alcoholic: —										
Acute hallucino	sis,									. 3
Deterioration,										. 3
Korsakow's psy	chos:	is,								. 1
With cerebral arterio	oscle	rosis.	,							. 22
With cerebral arteric With constitutional	infer	iorit	у,							. 1
With Huntingdon's	chore	ea,								. 1
Involutional melanel	holia	,								. 1
Unclassified, .										. 3
•										
Total,										. 97
•										
The major anat	omi	cal c	liagi	ose	s we	re –	_			
T 1										. 23
Lobar pneumonia, Broncho-pneumonia		٠.		•	•	•	•		•	. 23 . 7
Broncho-pneumonia	(ter	mina	1),	٠.	· La a	•				. 1
Broncho-pneumonia	and	tacia	u ery	sipe.	ıas,					. 1
Broncho-pneumonia									•	. 1
Empyema, Pulmonary tubercule	٠.	•	•	•	•	•			•	
Pulmonary tubercul	osis,		•.,						•	. 6 . 1
Tubercular meningit	ıs ar	id pe	ritor	iitis,			, ,			. 1
Cerebrospinal menir									pneu	
mococci), . Acute encephalitis,				•			•	•		. 1
Acute encephalitis,						•				. 1 . 7
General paralysis,	٠.							•		0
General arteriosclero	sis,					. 1				
Cerebral hemorrhage										. 1
Carabral hamorrhage	trur c	h cor	chra	l arta	PRIOR	OTALE	212			. fi

28	WORC	ESTER	R ST	ATI	EH	IOSI	PIT.	AL.	[	Dec.
Coronary oc	eclusion witl	arterio	sclere	osis,						2
Fractured for										1
Cardiovascu										15
Cardiovascu	ılar-renal wi	th fracti	ire of	ribs,						1
Cardiovascu	ılar-renal wi	ith diabe	tic g	angre	ne (	leg),				1
Acute endo										1
Embolism w	rith acute er	ndocardi	tis,							2
General sep										3
Decubitus s										1
Pyelonephri										1
Carcinoma e	of pylorus a	nd liver,								1
Carcinoma o										1
Carcinoma e										1
Carcinoma o										1
Atrophic cir										
Intestinal of										
Suicide by h										
Asphyxiatio										
Catatonic es										
Total										97

A. F. HARRIS,

Pathologist.

Nov. 30, 1920.

# VALUATION.

Nov. 30, 1920.

				$R_{\rm E}$	AL ]	Estat	E.				
Land (589 acres	;),									\$402,600	00
Buildings, .											
										\$2,566,006	96
			P	ERSO	NAL	Prop	ERT	Y.			
Travel, transpor	rtati	on a	ınd	office	sup	plies,				\$10,516	52
Food,										24,005	20
Clothing and ma	ater	ials,								34,350	
Furnishings and	hou	iseh	old	supp!	lies,					155,108	78
Medical and ger										13,167	23
Heat, light and										3,727	43
Farm,										2,140	70
Stable and garag										7,431	50
Repairs, .										9,194	20
										\$259,642	18
				8	SUMM	IARY.					
Real estate,										\$2,566,006	96
Personal propert	ty,									259,642	18
										\$2,825,649	14

### TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1920:—

CASH ACCOUNT

	Cash	Accou	NT.			
Balance Dec. 1, 1919,						\$622 53
T attend To the	$R\epsilon$	ceipts.				
Institution Receipts.						
Board of inmates: —						
Private						
Reimbursements, insane,						
				\$89,379	84	
Sales: —						
Travel, transportation and	office e	X-				
penses,			\$87 15	;		
Food,			320 38	;		
Clothing and materials,			174 20	)		
Furnishings and household su			275 70	)		
Medical and general care,			114 12			
Heat, light and power, .		•	9 60			
Farm and stable: —		•				
Cows and calves, .	\$574	19				
Pigs and hogs,	36 (					
****	81 9					
	305 3					
Use of teams,	92 2					
Sundries,	10 (					
		_	1,100 03			
			$143 \ 25$			
			20 40			
Industries,			1,152 63			
				3,397	46	
Miscellaneous receipts: —						
Interest on bank balances,		. \$	1,114 37			
Rent,			1,074 85			
Sundries,			154 15			
				2,343	37	
						95,120 67
Receipts from Treasury of	Common	we alth.				· ·
Maintenance appropriations: -						
Balance of 1919,				\$39.327	88	
Advance money on hand I					-	
\$45,000; temporary account						
				~~ 000	00	
\$32,000),				540,286		
22pp20ved schedules 01 1920,	•			940,280		656,614 18
Special appropriations,						31,773 40
epecial appropriations,						31,773 40
Total,						\$784,130 78

Payments.		
To treasury of Commonwealth:—		
Institution receipts,	\$95,120 67	
Refunds account of maintenance,	33 86	
-		\$95,154 53
Maintenance appropriations: —		
Balance November schedule, 1919,	\$39,950 41	
Balance November schedule, 1919, Eleven months' schedules, 1920, \$585,431 88		
Less returned,		
	585,398 02	
November advances,	27,762 24	050 110 05
-		653,110 67
Special appropriations, approved schedules,		31,773 40
		,
Balance Nov. 30, 1920: —		
In bank,	\$3,742 33	
In office,	349 85	4.000 40
-		4,092 18
Total,	·	\$784,130 78
2000,		Q101,100 10
Maintenance.		
Balance from previous year, brought forward,		\$2,402 50
Appropriation, current year,		767,400 00
Total,		\$769,802 50
Expenses (as analyzed below),		677,295 88
Balance reverting to treasury of Commonwealth,		\$92,506 62
Databoo leverting to treasury of commonwealth,		ψ027000 02
Analysis of Expenses.		
Personal services:—		
B. Henry Mason, acting superintendent,	\$2,760 00	
	12,048 87	
Medical,	17,471 60	
Kitchen and dining-room service,	11,339 42	
Domestic,	27,181 22	
Ward service (male),	43,887 90	
Ward service (female),	44,228 80	
Industrial and educational department,	2,593 98 27,552 10	
Engineering department,	14,061 42	
Farm,	10,243 05	
Farm,	3,867 85	
		\$217,236 21
Religious instruction: —		
	\$1,200 00	
Catholic,		
Protestant,		
	385 00	
	385 00	1,845 00
Amount carried forward,		

$A mount\ brought\ forward,$									\$219,081	21
Travel, transportation and offi	ce ez	spens	ses:							
Advertising,							\$420	18		
Postage								34		
Printing and binding, Printing annual report, Stationery and office supplie										
Printing annual report	•	•	•	•			0.00			
Stationery and office supplie		•	•	•						
Telephone and telegraph,	,	•								
			•	•		•	1,521			
Traver,	•	•	•	•	•	٠.	1,021		7,137	51
									1,101	O1
Food: —										
Flour,		٠								
Cereals, rice, meal, etc.,							7,348			
Flour, Cereals, rice, meal, etc., Bread, crackers, etc., Peas and beans (canned and							781			
Peas and beans (canned and	l drie	ed),	٠.	٠			4,741	93		
Macaroni and spaghetti,							1,322	49		
							12,400	13		
Meat,							48,822	03		
Fish, (fresh, cured and cann	ed),						6,483	92		
Butter,							7,088	44		
							14,367	62		
Cheese,							2,501			
						•	1,008			
							1,798			
Top							797			
Tea,							234			
Cocoa,						٠	106			
Whole milk,						٠				
Milk (condensed, evaporate	d, et	c.),	٠			٠	2,801			
Eggs (fresh),				-			12,043			
Egg powders, etc.,							1,433			
Sugar (cane),				٠			10,858			
Fruit (fresh),							1,489			
Fruit (dried and preserved)	,						7,381			
Fruit (fresh), . Fruit (dried and preserved) Lard and substitutes, . Molasses and syrups, .							3,066	49		
Molasses and syrups, .							2,550	58		
Vegetables (fresh), Vegetables (canned and drie							687	57		
Vegetables (canned and drie	ed),						799	73		
Seasonings and condiments,							1,097	12		
Yeast, baking powder, etc.,							489	27		
Sundry foods,							547	24		
, , , , , , , , , , , , , , , , , , , ,						-			180,580	82
Clothing and materials: —										
Boots, shoes and rubbers,							\$5,862	98		
Clothing (outer),										
Clothing (under), Dry goods for clothing, .						٠				
Dry goods for clothing, .				٠				70		
Hats and caps,	٠			٠			194 340	18		
Leather and shoe findings, Socks and smallwares,				٠		٠				
Socks and smallwares, .		:		٠		٠	1,925	41	0.4.000	1.0
									24,233	10
Furnishings and household sup	pplie	s:								
Beds, bedding, etc., .							\$14,053	89		
Beds, bedding, etc., . Carpets, rugs, etc., .							904	44		
Amounts carried forward,							\$14,958	33	\$431,032	70
			5							

Amounts brought forward, .						\$14,958 33	\$431,032 70
Furnishings and household supplied	es —	Con					
Crockery, glassware, cutlery, et						1,865 83	
Dry goods and smallwares, .						1,458 75	
Electric lamps,					Ċ		
					·	924 66 697 61	
Furniture, upholstery, etc.,						1,284 29	
Furniture, upholstery, etc., . Kitchen and household wares, Laundry supplies and materials						4,960 98	
Laundry supplies and materials						5,090 66	
Layatory supplies and disinfect:	ants.					2,682 73	
Machinery for manufacturing,						815 56	
Machinery for manufacturing, Table linen, paper napkins, toward	els, e	tc				3,861 88	
, , , , , , , , , , , , , , , , , , ,	,	•			-		38,601 28
Madical and mornal same							,
Medical and general care: —						\$445 93	
Books, periodicals, etc., . Entertainments, games, etc.,							
Entertainments, games, etc.,		•		•		1,807 45	
	٠					725 00	
Gratuities,	٠	٠			٠	86 81	
Ice and refrigeration,	. •		•	•	•	978 35	
Laboratory supplies and appara	tus,				-	585 34	
Manual training supplies, .						64 03	
Medicines (supplies and appara	tus),					3,214 87	
Medical attendance (extra), .	٠		•			1,005 88	
Patients boarded out,		٠	•	•	٠	3,368 79	
Return of runaways,						318 15	
Tobacco, pipes, matches,						3,376 65	
Water.						7,943 82	
11 4002)			•	•	-		
Tracer, I I I I			•	٠			23,921 07
Heat, light and power:—		·	•	·			23,921 07
Heat, light and power:—						\$67,647 15	23,921 07
Heat, light and power:—							23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage,							23,921 07
Heat, light and power:—						351 29	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings),						351 29 22,061 28 321 73	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite),						351 29 22,061 28 321 73	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood,						351 29 22,061 28 321 73 6,939 93	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas.						351 29 22,061 28 321 73 6,939 93 60 00	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas.						351 29 22,061 28 321 73 6,939 93 60 00 181 54	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21	23,921 07
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas.						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23	23,921 07 99,393 10
Heat, light and power:—  Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23	
Heat, light and power:—  Coal (bituminous),  Freight and cartage,  Coal (screenings),  Freight and cartage,  Coal (anthracite),  Wood,  Electricity,  Gas,  Oil,  Operating supplies for boilers and						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74 \$692 64 363 22	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74 \$692 64 363 22 140 80	
Heat, light and power:—  Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies,	· · · · · · · · · · · · · · · · · · ·					351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74 \$692 64 363 22 140 80 1,578 34	
Heat, light and power:—  Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74  \$692 64 363 22 140 80 1,578 34 204 00	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74 \$692 64 363 22 140 80 1,578 34 204 00 1,725 32	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc.,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74  \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc., Hay,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74 \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68 9,249 30	
Heat, light and power:—  Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc., Hay, Harnesses and repairs.						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74  \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68 9,249 30 248 85	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc., Hay, Harnesses and repairs, Horses,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74  \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68 9,249 30 248 85 1,000 00	
Heat, light and power:—  Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and  Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc., Hay, Harnesses and repairs, Horses, Other live stock						\$51 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74 \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68 9,249 30 248 85 1,000 00 196 46	
Heat, light and power:— Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc., Hay, Harnesses and repairs, Horses,						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74  \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68 9,249 30 248 85 1,000 00	
Heat, light and power:—  Coal (bituminous), Freight and cartage, Coal (screenings), Freight and cartage, Coal (anthracite), Wood, Electricity, Gas, Oil, Operating supplies for boilers and  Farm:— Bedding materials, Blacksmithing and supplies, Carriages, wagons and repairs, Dairy equipment and supplies, Fencing materials, Fertilizers, Grain, etc., Hay, Harnesses and repairs, Horses, Other live stock						351 29 22,061 28 321 73 6,939 93 60 00 181 54 834 21 603 23 392 74  \$692 64 363 22 140 80 1,578 34 204 00 1,725 32 22,932 68 9,249 30 248 85 1,000 00 196 46 94 35	

Amounts brought forw	ard, .						\$38,425	96	\$592,948	15
Farm — Con.										
							250	00		
Rent, Spraying materials,							119	15		
Stable and barn supplie Tools, implements, mac	S						80	90		
Tools, implements, mac	hines, et	tc.,					986	05		
Trees, vines, seeds, etc.	,						1,287	71		
Veterinary services, sup	plies, et	c.,					470	76		
Lime,							136	50		
						-			41,757	03
Garage, stable and ground	ds: —				•					
							\$3,996	79		
Motor vehicles,  Automobile repairs and Blacksmithing and supp	supplies	3.					2.976			
Blacksmithing and supp	olies						225	11		
Carriages, wagons and							87	70		
Fertilizers,							4	00		
Grain,							369	41	•	
							356	81		
Hay,							152	15		
Stable supplies, .							8	16		
Stable supplies, . Tools, implements, mac	hines, et	tc.,					58	14		
Trees, vines, seeds, etc.,							113	40		
Veterinary,							8	00		
						-			8,356	00
70 1 11										
Repairs, ordinary: —							0070	0.0		
Brick,		٠	•	٠			\$272			
Cement, lime, crushed s	stone, et	с.,	٠		•	٠	258			
Electrical work and sup Hardware, iron, steel, e	plies,	•	٠	٠	٠	•	1,130			
Hardware, iron, steel, e	tc., .	•	٠			•	2,353			
Labor (not on pay roll),		٠					144			
Lumber, etc. (including	finished	proc	ducts	;),			3,303			
Paint, oil, glass, etc.,							3,146			
Plumbing and supplies, Roofing and materials,						٠	3,440			
							1,529			
Steam fittings and supp						-	757			
Tents, awnings, etc.,							51			
Tools, machines, etc.,			٠	٠			783			
Boilers, repairs, .							299			
Dynamos, repairs, .							61			
Engines, repairs, .							317	58		
						-			17,850	86
Repairs and renewals: —										
Rental for use of sewera	ao arrato						\$2,400	00		
Boiler feed pump, .	ge syste	111,	•			•	500			
				:	•		629	-		
							10,854			
Laundry machinery, Renovation of Wheeler	· ·					٠	1,999			
renovation of wheeler	corrage,	٠		•	•		1,999	00	16,383	84
								_	10,000	
Total expenses for ma	intenan	ce,							\$677,295	88

SPECIAL APPROPRIATIONS.	
Balance Dec. 1, 1919,	\$16,107 96
Appropriations for current year,	41,758 72
· · · · · · · · · · · · · · · · · · ·	
Total,	\$57.866 68
Expended during the year,	,
Reverting to treasury of Commonwealth, 1,218 85	
Reverting to treasury of Commonwearth,	32,992 25
	92,002 20
Balance Nov. 30, 1920, carried to next year,	\$24,874 43
RESOURCES AND LIABILITIES.	
Resources.	
Cash on hand,	
November cash vouchers (paid from advance money):— Account of maintenance, \$27,762 24	
October schedule paid from temporary	
advance,	
72,907 82	877 000 00
	\$77,000 00
Due from treasury of Commonwealth from available appropriations (October schedule, \$3,145.58; November schedule, \$56,897.86), .	60,043 44
Liabilities.	\$137,043 44
<del>-</del>	\$91,897 86
Schedule of November bills,	
Schedule of October bills approved in December,	45,145 58
	\$137,043 44

### PER CAPITA.

During the year the average number of inmates has been 2,015.85. Total cost for maintenance, \$677,295.88. Equal to a weekly per capita cost of \$6.4612. Receipts from sales, \$3,397.46. Equal to a weekly per capita of \$0.0324. All other institution receipts, \$91,723.21. Equal to a weekly per capita of, \$0.8750.

### Respectfully submitted,

### JESSIE M. D. HAMILTON,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

# STATEMENT OF FUNDS.

### Patients' Fund.

Balance on hand Nov. 30, 1919,	\$8,121 33	}
Receipts,	13,427 14	Ł
Interest,	328 43	
· _		\$21,876 90
Refunded,	\$12,207 90	,
Interest paid to State Treasurer,	328 43	
		12,536 33
		\$9,340 57
In vestment.		
Worcester County Institution for Savings,	\$2,000 00	)
Worcester Five Cents Savings Bank,	1,000 00	)
Worcester Mechanics Savings Bank,	1,000 00	
Balance Worcester Bank and Trust Company,	5,206 61	
Cash on hand Dec. 1 1920,	133 96	
_		\$9,340 57
Lewis Fund.		•
Balance on hand Nov. 30, 1919,	\$1,712 40	)
Income,	152 92	
		\$1,865 32
Expended for vault rent, magazines, etc., .		111 00
		\$1,754 32
Investment.		
American Telephone and Telegraph Company		
collateral trust 4 per cent bond,	\$926 36	
Worcester County Institution for Savings,	49 44	
Fourth Liberty Loan bonds,	600 00	
Balance Worcester Bank and Trust Company,	178 52	
_		\$1,754 32
WHEELER FUND.		
Balance on hand Nov. 30, 1919,	\$6,169 30	
Income,	608 41	
	000 11	\$6,777 71
Expended for entertainments, magazines, etc.,		238 71
		\$6,539 00

7					
11	220	est	m	en	t.

American Telephone and Telegraph Company	
collateral trust 4 per cent bond, \$712 50	
Worcester County Institution for Savings, . 32 72	
Third Liberty Loan bonds, 4,000 00	
Fourth Liberty Loan bonds, 1,300 00	
Balance Worcester Bank & Trust Company, . 493 78	
	\$6,539 00
Manson Fund.	
Balance on hand Nov. 30, 1919, \$1,162 24	
Income,	
	\$1,367 98
Expended for entertainments,	,
•	\$1,347 98
Investment.	,-
Worcester County Institution for Savings, . \$90 37	
Fourth Liberty Loan bonds,	
Balance Worcester Bank and Trust Company, 157 61	
Darance worcester Dank and Trust Company, 137 01	@1 917 00
	\$1,347 98

### Respectfully submitted,

### JESSIE M. D. HAMILTON,

Treasurer.

Nov. 30, 1920.

N. B.—The values assigned to the above securities are their respective purchase prices.



# STATISTICAL TABLES As adopted by American Medico-Psychological Association PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES



### STATISTICAL TABLES.

### Table 1. — General Information.

1. Date of opening as an institution for the insane: Jan. 1.	3, 1833.
--	----------

1.	Pate of opening as an institution for the insane: Jan. 18, 183	3.
2.	Type of institution: State.	

3. Hospital plant: —	3.	Hosp	ital r	lant:	
----------------------	----	------	--------	-------	--

٠	nospitai piant: —							
	Value of hospital p	rope	rty:-					
	Real estate inclu	ding	build	lings,			\$2,566,006 96	
	Personal propert	у,					259,642 18	
	Total,					·.	\$2,825,649 14	

Total acreage of hospital property, 589.16. Acreage under cultivation during previous year, 205.75.

4. Medical service: —				Men.	Women.	Total.
Superintendents,				1	_	1
Assistant physicians	,			7	1	8
Medical internes,				_		_
Clinical assistants,				_	_	_
Total physicians	s,			 8	1	9

5.	Employees	on	pay roll	(not	including	physicians)	:—		
							Men.	Women.	Total.

Graduate nurses,			-	10	10
Other nurses and attendant	S, .		103	89	186
All other employees,			. 83	90	173
Total employees, .			186	183	369

6. Patients employed in industrial classes or in	Men.	Women.	Total.
general hospital work on date of report	394	374	768

•	Tationes employed in madestrai classes of in			
	general hospital work on date of report,	394	374	768
7.	Patients in institution on date of report (ex-			
	cluding paroles).	1.005	1.015	2.020

### Table 2. — Financial Statement.

See treasurer's report for data requested under this table.

Table 3. — Movement of Patient Population for the Year ending Sept. 30, 1920.

OKS.	.slatoT	1,873	407 124 531 439	970 2,843	65 153	288	233	572	2,271	2,237.67	1,913.93	294.83	159	1,971 1,769 92	110
Total on Books.	Females.	876	164 57 221 243	464 1,340	33	0 0 t	06	241	1,099	1,074.82	933.71	112.28	55	974 838 68	89
Tor	Males.	266	243 67 310 196	506 1,503	32	31	143	331	1,172	1,162.85	980.22	182.55	104	997 931 94	42
TARY.	Totals.	63	1111	1 64	1 1	1 1	1 1	1 !	61	2.00	2.00	1	1 1	2=1	_
SANE, VOLUNTARY	Females.	1	1 1 1 1	1	1 1	1 1	1 1	1 1		1.00	1.00	1	i I	1	J
SANE,	Males.	1	1 1 1 1		1 3	1 1	] ]	1 1	-	1.00	1.00	1	1 1		
CARE.	.slstoT	ı	36	##	2.4	9 8 9	100	39	67	5.34	5.34	1	159	01001	1
TEMPORARY CARE.	Females.	1	6 7	1-1-	1.63	1 70	1 1	7	ı	1.98	1.98	1	55	1 1 1	1
Tempo	Males.	1	34	##	00-41	13	1 00	32	67	3.36	3.36	I	104	01011	1
	Totals.	1,871	371 119 490 439	929	58 148	05 %	230	533	2,267	2,230.33	1,906.59	294.83	16	1,967	100
INSANE.	Females.	875	158 56 214 243	457	33	35.4	20 00 00	234	1,098	1,071.84	930.73	112.28	9 1	973 837 69	89
	Males.	966	213 63 276 196	472	25 101	25	140	299	1,169	1,158.49	975.86	182.55	9 1	994	41
		1. Patients on books of institution Sept. 30, 1919,	Admissions during year:— (b) First admissions, (c) Readmissions, (c) Transfers from other institutions for the insane.		Discharged from books during year: — (a) As recovered, (b) As improved,	(c) As unimproved,	(e) Transferred to other institutions for the insane, (f) Died during year.	(g) Normally dismissed for change of status, 4. Total discharged from books during year.	5. Patients remaining on books of institution Sept. 30, 1920,	Supplementary Data.  6a. Average daily number of patients on books during year,	66. Average daily number of patients accually in the institution during year,	76. Average daily number of patients in tainity care, 75. Average daily number of patients on visit and escape,	Number of voluntary	<ol> <li>Number of patients actually remaining in institution Sept. 30, 1920.</li> <li>State.</li> </ol>	Remoursing, Private, Private, Paricel Private, P

25	16	5	4	67	1	1	ı	ı	ı	1	23	202
25	16	rC)	4	-	1	1	1	1		1	-	88
1	1	1	ı	-	]	1	1	1	1	ı	-	124
1	1	1	1	2	1	1	1	1	1	1	c1	1
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1	1	ı	ı	1	1	ì	J	i	1	1	J	1
25	16	5	4	1	1	1	1	1	1	1	J	ı
25	16	ŗ.	71	1	ı	ı	ı	ı	1	ı	ı	I
1	1	1	1	1	ı	ı	ı	1	1	ı	J	ı
care Sept. 30, 1920,				cs of immates in institution at				-minded),	(not epileptie),	otics,		or treatment in out-patient de-

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

	F	ATIEN	rs.		RENTS MALE ATIEN		PARENTS OF FEMALE PATIENTS.		
NATIVITY.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,	. 97	76	173	52	50	102	33	38	71
Turkey in Europe,	1 1 1 22 - 6 6 4 4 - 5 5 - 19 5 5 16 6 6 1 1 1 1 1 1 1 1 3 3	1 21 3 2 2 3 3 1 9 9 1 1 5 5 - 1 1 1 80 2 2	1 2 43 9 6 8 3 - 444 12 8 4 4 25 5 3 1 1 1 1 1 8 8 2 2 2 193 5	1 3 28 1 1 8 4 1 1 1 1 1 4 9 1 1 2	1 3 299 1 7 4 4 - 8 3 1 1 36 6 8 8 5 4 4 16 4 4 - 7 1 8 8 1 1 1 148 15	26 57 21 15 8 1 16 6 1 75 16 10 8 8 32 7 7 13 2 16 2 2 2 2 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2	- 1 31 - 7 2 - 4 38 5 5 3 1 9 1 - 7 - 7 - 1 1 111	1 25 6 2 - 4 37 5 3 3 1 9 9 3 - 7 - 1 1 1 105 15	2 566 - 133 44 755 100 6 6 2 188 44 144 - 2 2 2 2 2166 299
Grand total,	213	158	371	213	213	426	158	158	316

Table 5. — Citizenship of First Admissions.

					Males.	Females.	Totals.
Citizens by birth, Citizens by naturalization,	:				97 11	76 9	173 20
Aliens,		:	:	:	64 41	25 48	20 89 89
Total,					213	158	371

Table 6. — Psychoses of First Admissions.

Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,				_	1	1
(a) Traumatic delirium, (b) Traumatic constitution,	-	i	i		1	•
(b) Traumatic constitution,	_	-	- [			
mentia),	_	-	-			
(d) Other types,	-	-	-	8	25	33
2. Senile, total,  (a) Simple deterioration,  (b) Presbyophrenic type,	6	18	24	0	20	00
(b) Presbyophrenic type,	_	1	1			
(d) Depressed and agitated types,	_	1 5				
(e) Paranoid types,	2	5	$\frac{1}{7}$			
(f) Pre-senile type,	_	_				
3. With cerebral arteriosclerosis,				49	27	76
4. General paralysis,	1: :		: :	31	3 1	34
6. With Huntingdon's chorea,		: :		î	_	ĩ
7. With brain tumor, 8. With other brain or nervous diseases, total,				_	_	_
(a) Cerebral embolism,				_	_	
(b) Paralysis agitans,	-	-	- 1			
(c) Meningitis, tubercular or other forms (to be specified),	_	_	_			
(d) Multiple sclerosis,	-	-				
(e) Tabes dorsalis,	_		_			
(g) Other diseases (to be specified),	_	-	-			
9. Alcoholic, total,				14	-	14
(a) Pathological intoxication, (b) Delirium tremens.	1	-	1			
(b) Delirium tremens,	-	-				
(d) Acute hallucinosis,	2		2			
(J) Acute paranoid type,	3	-	3			
(g) Chronic paranoid type,	5 3		3 5 3			
(i) Other types, acute or chronic,	-	_	-			
10. Due to drugs and other exogenous toxins, total, (a) Opium (and derivates), cocaine, bromides,		. :		-	-	-
chloral, etc., alone or combined (to be speci-						
fied),	_		-			
(b) Metals, as lead, arsenic, etc. (to be specified), . (c) Gases (to be specified),	_	_	_	1		
(d) Other exogenous toxins (to be specified),	-					
11. With pellagra,				1	1 8	1
12. With other somatic diseases, total,		6	6	1	0	3
(a) Delirium with infectious diseases, (b) Post-infectious psychosis, (c) Exhaustion delirium,	1	-	1			
(d) Delirium of unknown origin,	_					
(e) Cardiorenal diseases,	-	1	1			
<ul><li>(f) Diseases of the ductless glands,</li><li>(g) Other diseases or conditions (to be specified),</li></ul>	_	1	1			
13. Manic-depressive, total,				. 8	15	23
(a) Manic type,	5 3	10	15 8			
(c) Stuporous type,	-	-	-			
(d) Mixed type,	-	-	-			
(e) Circular type,	_	_	_			
14. Involution melancholia,				3	12	15
15. Dementia præcox, total,	36	18	54	63	36	99
(b) Catatonic type,	10	12	22			
(c) Hebephrenic type,	16 1	1 5	17 6			
(e) Other types,	-	-	-			
16. Paranoia or paranoid conditions,				3	-	3
	1			1		

Table 6. — Psychoses of First Admissions — Concluded.

Males.  Females.  Totals.	Males.	Females.	Totals.
17. Epileptic, total,  (a) Epileptic deterioration,  (b) Epileptic clouded states,  3 1 4	3	3	6
(b) Epileptic clouded states. 3 1 4 (c) Other epileptic types (to be specified),	2	6	8
(b) Psychasthenic type,	. *		
(e) Other types,	5 10 6	3 7	8 17 14
21. Undiagnosed, 22. Without psychosis, total, (a) Epilepsy, (b) Alcoholism,	5	8 2	7
(c) Drug addiction, (d) Psychopathic personality, 1 - 1 (e) Mental deficiency, 4 1 5			
(f) Others (syphilis),	213	158	371

Table 7.— Race of First Admissions classified with Reference to Psychoses.

n 1	ER.	Totals.		6	
	ITH OTHI SOMATIC SISEASES	Females.		00	
	WITH OTHER SOMATIC DISEASES.	Males.			
		Totals.		-	
	WITH LLAGR/	Females.	111111-11111111111111		
	WITH PELLAGRA.	Males.	11111111111111111111111	1	
		Totals.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	
	тоги	Females.		-	
	ALCOHOLIC.	Males.	1	14	
	WITH HUNTING- DON'S CHOREA.	Totals.			
	WITH HUNTING DON'S CHOREA	Females.		-	
		Males.		73	
OSES	H RRAL LIS.	Totals.		- 2	
Psychoses.	WITH CEREBRAL SYPHILIS.	Females.			
Ps		Males.		-	
	GENERAL PARALYSIS.	Totals.	0   0     0   1 0   1 0 1 0 0 1 0 0 1 0 1	34	
		ENE	Females.	.	ಣ
		Males.	യിയി ഗിയ  ഗിയറിഗി⊔——    <i>-</i>	31	
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Totals.	111188169111111111111111111111111111111	92	
		Females.	1111   11   11   11   12   13   13   13	27	
	CE	Males.	1 1 1 1 1 2 2 1 1 2 2 1 1 1 1 1 1 1 1 1	49	
	e e	Totals.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	33	
	SENILE	Females.	100	25	
	- Sc	Males.	1	∞	
	ric.	Totals.	1111111111	-	
	TRA UMATIC.	Females.	1111111111	-	
	TRA	Males.	11111111111111111111111	1	
		Totals.	618811888878888787111111111111111111111	371	
	Total.	Females.	91111298818889946841489	158	
	Males.		2-1-8-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	213	
				•	
	RACE.		aine		
	H		olack		
			African (black), Armenian, Armenian, Armenian, Bulgarian, Chinese, Finglish, French, German, German, German, Greek, Hobrew, Hidlian, Hidlian, Hidlian, Hidlian, French, Savotok, Savotok, West Indian, West Indian, Mixed,	Total,	
			African ( Abanian Armenia Armenia Abanian Armenia Chinese, English, French, German, French, German, French, Greek, Hebrew, Hidlian, Litalian, Litalian, Seardian Seardian Seardian Seardian Seardian Seardian Fortugue Seardian Fortugue Seardian Fortugue Seardian Fortugue Ratesh, Mest Ind		

Table 7.—Race of First Admissions classified with Reference to Psychoses — Concluded.

	IOTMOO T		-
OUT.	Totals.		63
WITH			ro
OSED	Totals.		41
UN AGN	Females.	-	
	Males.	111111111111111111111111111111111111111	9
f DE-	Totals.	1   1   1   1   1   1   1   1   1   1	17
WITH	Females.		7
ME	Males.	111111111111111111111111111111111111111	10
SY- HIC IY.	Totals.	111111111111111111111111111111111111111	œ
PATH PER-	Females.	111111111111111111111111111111111111111	00
WIJ CHC I SON	Males.		70
ESS .	Totals.	-111101-1111111111101	00
KCHO ROSI ROSI	Females.	-1111011111111111111-1	9
PS: NEU NUE	Males.	1111111-1111111111111	2
:	Totals.	111111111101111111101	9
EPTI			ಣ
			೧೦
		(1)	ಣ
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		21-12-1   222-232-24-21-4-12-1   1-12-1	66
ENTL			3 98
DEMI			63
			15
UTIO 1L- OLIA			12 1
NE			3 1
IC- SSIVE			23
MAN			15
DE	Males.		∞
ē		ed,	
RACI		rican (black), banian, muonian, ilgarian, innese, ggißh, miggißh, miggißh, saman, sench, saman, seck, sh, sh, sh, sh, sh, sh, sh, sh, sh, sh	Total,
	MANIC- DEPRESSIVE, ANCHOLIA, PRECOX. CONDITIONS RACE. RACE.	MANUC.  MANUC.  MANUC.  MANUC.  MANUC.  MANUC.  MANUC.  MEDIABSATUB.  MASIGS.  MATH  MENTALI DB.  MATH  MENTALI DB.  MATH  MENTALI DB.  MATH  MENTALI DB.  MATH  MASIGN.  MATH  MASIGN.  MATH  MASIGN.  MATH  MASIGN.  MATH  MASIGN.  MATH  MATH  MATH  MATH  MATH  MATH  MASIGN.  MATH  MAT	National

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses.

11		Totals.	-1-m-111m11m4-0m-1m1	31
	40-45.	Females,	-11111111000-1-1-1-1	12
	4	Males.	11-0-11-0-10-10-10-10-1	19
		Totals.	11121111211224	30
	35-40.	Females.	111111111111	14
	· ~	Males.		16
		Totals.	1	34
	30-35.	Females.	1	13
'		Males.	11101111-11111-10111	21
, i		Totals.	111=1111=11001001=	37
YEARS.	25-30.	Females.	111-111111-011-1-1-1	15
Y	2	Males.	111111111111111111111111111111111111111	22
		Totals.	111111111111111111111111111111111111111	27
	20-25.	Females.		6
	2	Males.	111111111111111111111111111111111111111	18
		Totals.	111111111111111111111111111111111111111	21
	15-20.	Females.	!	9
		Males.	111111111111111111111111111111111111111	15
ŀ	15.	Totals.		1
	UNDER 15.	Females.		1
	UND	Males.	1111111111111111111111	1
		Totals.	- 20 C C C C C C C C C C C C C C C C C C	371
	I OTAL.	Females.	2821 362 362 362 362 362 362 362 362 362 362	158
		Males.	10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	213
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			ic,	
			Traumatic, Sanile, With cerebral arterioselerosis, General paralysis, With cerebral syphilis, With Huntingdon's chorea, With huntingdon's chorea, With huntingdon's chorea, With hunting don's chorea, With hunting don's chorea, With helan other exogenous toxins With of ther somatic diseases, Alcoholic, Due to drugs and other exogenous toxins With of plagra. Mith of chers somatic diseases, Hanicedepresses, Larolution melancholia, Dementia precox, Dementia precox, Epileptic, Explication paranoid condition, Epileptic, With mental efficiency,	Total,
				To
lí			1.25,4.6.6.7.8.2.0.1.2.2.4.1.0.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Table 8. — Age of First Admissions classified with Reference to Principal Psychoses — Concluded.

1	.00	Totals.	112 100 110 22 22 22 23 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
	OVER 80.	Females.	100411111111111111111111111111111111111
	ov	Males.	149111111111111111111111111111111111111
		Totals.	186111111111111111111111111111111111111
	75-80.	Females.	
	7	Males.	100111111111111100
		Totals.	22 22 23 25 29
	70-75.	Females.	16 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	7	Males.	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Totals.	140411111111111111111111111111111111111
	65-70.	Females.	11001111111111111111111
7.0	9	Males.	] H O H
YEARS		Totals.	30
<i>&gt;</i>	60-65.	Females.	1.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	99	Males.	112311111111111111111111111111111111111
		Totals.	1   0   0   0   0   0   0   0   0   0
	55-60.	Females.	0
		Males.	11-01111-1111-0
		Totals.	1   47   1   12     12   68   1   12     12     88
	50-55.	Females.	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	20	Males.	16 111111111111111111111111111111111111
		Totals.	1   2   2   2   2   2   2   2   2   2
	45-50	Females.	1111111
	4	Males.	1   40   1   1   1   1   1   1   1   1   1
			·
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			in a single of the control of the co
			titi, partiti, partit
			Traumatic, Semile, With cerebral arterioselerosis, With cerebral syphilis, With the cerebral syphilis, With Intuingdon's chorea, With brain tumor, With Other brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With other somatic diseases, Manic-depressive, Involution melandhia, Demonia or paranoid condition, Epilephic, Epilephic, Esychopathic personality, With mental deficiency, Undiagnosed, With psychopathic personality, With mental deficiency, Undiagnosed, Without psychosis,
			1.2.2.4.6.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0

Table 9.— Degree of Education of First Admissions classified with Reference to Psychoses.

	Totals.		30
UNASCER- TAINED.	Females.	184111111111111111111111111111111111111	16
ភូម	Males.	1001411111111144111111	14
Б	Totals.	11-01	2
College.	Females.	11-1111111111111111	23
ΰ	Males.	1110111111111	5
	Totals.	1-98-111111-8-61-81-11	40
Нісн Ѕснооь.	Females.	140111111111140401404141	18
20	Males.	1140-111111-10111111	22
z :	Totals.	19641111811898684898489878	199
Соммон Всноог.	Females.	111000011111111111111111111111111111111	87
Qw	Males.	12001111181140118	112
ND S.	Totals.	-0.0011114110000011111001	74
Reads and Writes.	Females.		22
RE,	Males.	1   90   1   1   4   1   1   2   1   1   1   2   2   1   1	52
TE.	Totals.	100-1       1   1   1   1   1   1   1   1	21
LLITERATE.	Females.	180-1111111	13
In	Males.		œ
	Totals.	1887 248 241   14   1   1   1   1   1   1   1   1	371
Total.	Females.	227 272 272 272 272 272 273 273 274 275 275 275 275 275 275 275 275 275 275	158
	Males.	8498 11111111111111111111111111111111111	213
	•		
		ins,	
		Fraumatic, Senile, Senile, With cerebral arteriosederosis, General paralysis, With herebral syphilis, With Huntingdon's chorea, With Huntingdon's chorea, With hean tumor, With herain tumor, With herain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With pellagra. With other somatic diseases, Alaric depressiv. Dementia presox, Dementia presox, Dementia presox, Epplicptic, Epplicptic, With mental deficiency, With mental deficiency, With mental deficiency, With mental deficiency, With hard deficiency, With mental deficiency,	
		lisea nous	
	ES.	Fraumatic, Senilo. Senilo. Senilo. General paralysis, General paralysis, General paralysis, With erebral styphilis, With Prain tumor. With Other brain or nervous diseases, Mith other brain or nervous diseases, Alcoholic.  Alcoholic. Mith pellagra, Alani edepressive, Mith polhers somatic diseases, Mand edepressive, Involution melanteholia, Damanic and paranoid conditions, Paranoia and paranoid conditions, Paranoia and paranoid conditions, With psychopathic personality, With merial deficiency, Undiagnosed.	
Psychoses.		Fraumatic, Senilo, With cerebral arteriosclerosis, With cerebral syphilis, With thurthingdon's chora, With Hunthingdon's chora, With Hunthingdon's chora, With brain tumor, With horin tumor, With holiers, and other exoge With other brain or nervous of But to drugs and other exoge With pellagra, With pellagra, Involution melanebolin, Dementia presox, Deranoia and paranoid condit Epileptic, Paranoia and paranoid condit Epileptic, With nextal deficiency, Undiagnoscal, Without psychosis,	
	Psyc	Senile, Senile, Senile, With cerebral arteriosede General paralysis, With cerebral styphilis, With chebral styphilis, With brain tumor, With brain tumor, With brain tumor, With other brain or nery Alcoholic, Due to drugs and other With pellagra, With pellagra, With pellagra, With other somatic disea Manie depressive, Involution melancholia, Dementia przecox, Epileptic, Esychopathic person With psychopathic person	
		arte ysis syp ysis syp ysis syp gdon mon ann ann and and sire, in a sire, eclan becox park at hosi hosi	
		c,	•
		nation  i	-f.
		Fraumatic, Senile, With crebral arteri General paralysis, With creebal stypin With Hundingdon's With Brain tumor, With Brain tumor, With Brain of Alcoholic, Due to drugs and o With pellagras and o With pellagras, With pellagras, With pellagras, With pellagras, Paranoia and person, Bernoia and person, Bernoia and person, Espileptic, With psychopathia With psychopathia With psychopathia With mental deficie	Total,
U		1,9 % 4,7 % 9, 0, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	L

Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

NED.	Totals.		1
Unascertained	Females.	111111111111111111111	'
Una	Males.		1
	Totals.	140011111111111111111111111111111111111	18
RURAL.	Females.	100011111111111111111111111111111111111	2
	Males.	-9	11
	Totals.	1888 4 2 1 1 1 4 1 1 1 8 8 2 2 2 2 8 8 7 4 4 7 7 4 7 1 8 8 8 8 7 4 4 7 7 7 8 8 8 8 7 4 4 7 7 8 8 8 8	353
URBAN.	Females.	7887777	151
	Males.	1755 1755 1755 1755 1755 1755 1755 1755	202
	Totals.	1 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2	371
Total.	Females.	282738 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	158
	Males.	1865-11141148888888999	213
	Рѕусноявз.	1. Tranmatic, 2. Senile, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral stybilis, 6. With Huntingdon's chorea, 7. With brain tumor, 8. With orber brain or nervous diseases, 9. Alcoholic, 10. Due to drugs and other exogenous toxins, 11. With pellagra, 12. With other somatic diseases, 13. Mand-edepressive, 14. Involution melameholia, 15. Dementia priecox, 16. Paranoia or paranoid conditions, 17. Epideptic, 18. Psychonucoses and neuroses, 19. With psychopathic personality, 20. With mental deficiency, 21. Undiagnosed, 22. Without psychosis,	Total,

Table 11. — Economic Condition of First Admissions classified with Reference to Principal Psychoses.

SlatoT   11111111111111111111111111111111111	-
Totales.	1 1
Males.	·   -
E.S. T. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	231
Owe or 1 1 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 1 1 2	95
Q .sales. Males. O	136
.slstoT 12241-1121-200000-122400	112
AABGINAL. Temales.	54
Males. Males.	2 82
elstoT 1552111111111111411110001	27
Description of the second seco	6
Q .salex 1000-1111-11111-4-1111-4-1	18
.sletoT 125722211141102272220000741	371
Temales. Females.	158
.esleM 1 \in \pi	213
<u> </u>	
toxin toxin	
liseas mous,	
Psychoses.  psychoses.  riosclerosis,  rilis,  s choren,  r nervous diseases,  other exogenous toxins,  c diseases,  holia,  id conditions,  ch neuroses,  s personality,  erevy,	
I I I Sish in or i	osis,
ranmatic, senile, senile, senile, senile, senile, senile, senile, senile, sith the cerebral artea syplicity in the senile supplies of the print of the senile senile supplies and with other somati with other somati with other senile supplies. System endile precess, Paranoia or parano system on paranoia or paranoia of paranoia	sych.
matic, y, and in a sign of the	al,
Tranmatic, Senie, With erebral arterioselerosis, General paralysis, With erebral arterioselerosis, General paralysis, With the erebral applinis, With the brain tumor, With the prain tumor, With the brain tumor, With other paran or nervous di Avololie, and the praint of the somatic diseases, With pellagra, With pellagra, Involution melaneholia, Demandia or paranoid condition Epileptic, Paychoneuroses and neuroses, With psychopathic personality With psychopathic personality With psychopathic personality With mental deficiency,	Without psychosis, Total,
1.22.24.70.00.00.00.00.00.00.00.00.00.00.00.00.	

Table 12.— Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

NED.	Totals.	1644	110
Unascertained.	Females.	1018801	30
UNAS	Males.	100 100 100 100 100 100 100 100 100 100	08
TE.	Totals.	[00	22
INTEMPERATE.	Females.	11111111111	-
INT	Males.	110011111111401111441	21
E.	Totals.	1200001	86
Temperate.	Females.	10-11-11-11-00-0-11-00-	28
TE	Males.	12221	20
T.	Totals.	1100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	141
Abstinent.	Females.	100811111111111111111111111111111111111	99
ΥI	Males.	1-1003111111111111111111111111111111111	42
	Totals.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	371
TOTAL.	Females.	25777 2777 2777 288 288 288 288	158
	Males.	18882711114111188888888897709	213
		Traumatic, Sonile, With cerebral arteriosclerosis, General paralysis, With cerebral syphilis, With Huntingdon's chorea, With Huntingdon's chorea, With Min of other brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With pollagra, With other somatic diseases, Manic depressive, Involution melancholia, Demontia praceox, Epiloptic, Epiloptic, Exploration or paranoid conditions, Epiloptic, With mental deficiency, With psychosis,	
	OSES,	osis,  a,  a,  as,  ous d  sses,  ditio  ous d  read.	
	Psychoses,	is, chorcher chorcher disea olia, d com	
	Д	Traumatic, Sonile, With berebral arterioselerosis, General paralysis, With breebral syrphilis, With Huntingdon's chorea, With Huntingdon's chorea, With Huntingdon's chorea, With Drain orn nervous di Alcoholic, Due to drugs and other exogen With planger, With other somatic diseases, Manic depressis, Manic depressis, Commonta pracox, Demonta pracox, Demonta pracox, Epiloptic, Espiloptic, Espiloptic, With heavel opatanic denical Reychoneuroses and neuroses, With psychopathic personality, With mental deficiency, Undiagnosed, Without psychosis,	
		i, i.	
		Traumatic, Sonile, With cerebral arter (With cerebral arter (With cerebral syph With Huntingdon) With brain tumor, With brain tumor, With brain tumor, With brain tumor, With brain of the brain o Alcoholic, Due to drugs and With other somati With some operation of parane Eppleptic, Espleptic, Bisychoneurosa Espleptic, Undiagnosed, defici	tal,
			Total,
		1.9%4.7.0.9%9.0.1.3%4.7.3%7.8%	

Table 13.— Marital Condition of First Admissions classified with Reference to Principal Psychoses.

II	Totals.	:=:::::::::::::::::::::::::::::::::::	-
UNASCER- TAINED.	Females.		1
UNASCEI	Males.	I = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		112211111111111111	<u> </u>
CED.	Totals.		7
Діуовсер.	Females.		2
	Males.	11-01111111	5
ED.	Totals.	11-11:11:11:11:11	2
Separated.	Females.	11-11-11-11-11-11-11-11-11-11-11-11-11-	2
SEP	Males.	1     1   1   1   1   1   1   1   1   1	
D.	Totals.	10000	70
Widowed.	Females.	192111111111111111111111111111111111111	41
Wı	Males.	180081-11111111-11111111111111111111111	29
D.	Totals.	187111181120 E 804 4 4 0 8 8 9	147
MARRIED.	Females.	<u> </u>	65
MA	Males.	1885 111811445	82
	Totals.	12   12   1   12   1   13   1   1   1   1   1   1   1	144
SINGLE.	Females.	142:11:11:11:24:21:42:11	48
202	Males.	1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	96
	Totals.	185 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	371
TOTAL.	Females.	128733631583111111183231	158
	Males.	1 × × × × × × × × × × × × × × × × × × ×	213
			•
		Pranmatie, soulle, soulle, With crebral arterioselerosis, With crebral syphilis, With brain tumor, With brain tumor, With brain or nervous diseases, With other brain or nervous diseases, With other brain or nervous diseases, With other somatic diseases, With other somatic diseases, With other somatic diseases, Soulleptic, Dementia precox, Dementia precox, Dementia precox, Spaleptic, Spaleptic, Spaleptic, With mential deficiency,	
		iseas iseas ons;	.
	ES.	ssis,	
Psychoses.		celerc hore: incrvo	
	Psr	erios s, philli n's c'r, or n d otl d otl tic d tic d tic d nhol rehol vanoi nelol vie pe cienc s,	
		il art all sylpsis all sylpsis all sylpsis all sylpsis all sylpsis all all sylpsis all all all all all all all all all all	
		tie, cebra para para para para para para para p	
		Tranmatic.  Sanile.  With cerebral arteriosclerosis, General paralysis, General paralysis, With terebral styphiis, With huntingdon's choren. With huntingdon's choren. With other brain or nervous diseases, Alcoholic.  Due to drugs and other exogenous to With palagra. With palagra. Manic-depressive. Involution melancholia. Branoni and paranoid conditions, With psychoneuroses and neuroses, With psychoneuroses and neuroses, With mental deficiency, Undiagnosed.	Total,
			T
		1.2.6.4.6.0.7.8.9.0.1.2.6.4.7.0.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Table 14. — Psychoses of Readmissions.

TABLE 14. — I sychoses of						
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,	l			_	_	_
(a) Traumatic delirium,	_	_	-			
(c) Post-traumatic mental enfeeblement (de-						
mentia),	_	_	_			
2. Senile, total,				1	2 -	3
(a) Simple deterioration,	_	2	2			
(c) Delirious and confused types,	-	_	-			
(d) Depressed and agitated types,	1	_	1			
(f) Pre-senile type,	-	-				
(g) Other types,	_	_		2	2	А
4. General paralysis,	: :			4	-	4
5. With cerebral syphilis,			-	-	-	_
6. With Huntingdon's chorea, 7. With brain tumor, 8. With other brain or nervous diseases, total,	1: :			_	_	_
8. With other brain or nervous diseases, total, (a) Cerebral embolism,	. :	. :	· ·	-	-	-
(b) Paralysis agitans,	_	_	_			
(c) Meningitis, tubercular or other forms (to be		_	_			
specified),	-	_	i - I			
(e) Tabes dorsalis,	_	-	-			
(f) Acute chorea,	_	_				
9. Alcoholic, total, (a) Pathological intoxication,	. :			5	-	5
(a) Pathological intoxication,	1	_	1			
(c) Korsakow's psychosis,	2	_	- 2			
(d) Acute hallucinosis,		_	-			
(f) Acute paranoid type,	1	_	- 1			
(g) Chronic paranoid type,	1	_	1			
(i) Other types, acute or chronic,	-	-	-			
10. Due to drugs and other exogenous toxins, total, (a) Opium (and derivatives), cocaine, bromides,				-	_	-
chloral, etc., alone or combined (to be speci- fied),	_	_	_ i			
(b) Metals, as lead, arsenic, etc. (to be specified),	-	_	-			
(c) Gases (to be specified),	_	_	_			
(d) Other exogenous toxins (to be specified),  11. With pellagra,				_	-	_
12. With other somatic diseases, total,	. :			-	-	-
(a) Delirium with infectious diseases, (b) Post-infectious psychosis,	_	_	_			
(c) Exhaustion delirium,	_	_	-			
(e) Cardiorenal diseases,	_	-	-			
(f) Diseases of the ductless glands,	_	_	_			
(g) Other diseases or conditions (to be specified), 13. Manic-depressive, total,	1			9	13	22
(a) Manic type,	7 2	7 5	14 7			
(b) Depressive type,		-	-			
(d) Mixed type,	_	1 _	1 _			
(f) Other types,	_	-	_			
14. Involution melancholia,				35	5 25	6 60
15. Dementia præcox, total,	21	15	36		20	00
(a) Paranoid type, (b) Catatonic type, (c) Haban branic type	5 8	7 3	12 11			
(c) Hebephrenic type,	1	-	11			
(e) Other types,	-	-	-			
16. Paranoia or paranoid conditions,	: :	: :	: :	1	-	1
(a) Epileptic deterioration,	1	-	- 1			
(b) Epileptic clouded states,	-	_	-			
	ł					

Table 14. — Psychoses of Readmissions — Concluded.

Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
18. Psychoneuroses and neuroses, total,  (a) Hysterical type, (b) Psychasthenic type, (c) Neurasthenic type, (d) Anxiety neuroses, (e) Other types, 19. With psychopathic personality, 20. With mental deficiency, 21. Undiagnosed, (a) Epilepsy, (b) Alcoholism, (c) Drug addiction, (d) Psychopathic personality, (e) Mental deficiency, (f) Others,	1	1 1 1 1 1 1		1 - 3 1	2 2 1 1	3 2 4 2 2
Total,	 			63	56	119

Table 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

	E.	rotals.	111111111111111111111111111111111111111	∞
	Not Insane.	Females.	1111111111111111111111	4
		Males.		4
	BD.	.slatoT		20
	Unimproved.	Females.	1	22
	UN	Males.	11391111211111211116111	25
		.slstoT	12142121   121   122   123   124	148
	Імевоуер.	Females.	14   14   1   1   1   1   1   1   4   2   2   4   1   1   1   1   1   1   1   1   1	47
	I	Males.	H 4 23 H	101
	Весоуевер.	Totals.	111111111111111111111111111111111111111	28
		Females.	111111111111111111111111111111111111111	83
.   _		Males.	11111110114881111111611	22
		Totals.	1 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	264
	TOTAL.	Females.	1011111111100 40 14 14014	109
		Males.	124481111711120889	155
	Psychoses,		Pranmatic, sould, crebral arteriosclerosis, With crebral arteriosclerosis, Gaeneral paralysis, With breabral syrphilis, With brain tumor, With brain tumor, With other brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With other somatic diseases, With other somatic diseases, Mith other somatic diseases, Montion melancholia, Dementing precox, Dementing precox, Garannoi or paranoid conditions, Palieptic psychoses, Sychoneuroses and neuroses, With psychopathic presonality, With mental deficiency, Undaignosed, With psychosis,	
			s dise s dise senon c, t, tions, tions, litty,	
			clerosi iorea, ervou er exc seases a, condi	
			ceriose s, s, philis philis n's ch n's ch or ne d othe tie di tie	
			al artalysis all sylvais all sylvais and sylvais and brain brain somal sylvais and sylvais	
			erebral par erebra	,
			Franmatic, Sanile, With cerebral arteriosclerosis, General paralysis, General paralysis, With terebral syphilis, With Huntingdon's chorea, With brain tumor, With other brain or nervous diseases, Alocholic, But to drugs and other exogenous too With pelagra, Much other somatic diseases, Much other somatic diseases, Involution melancholia, Barnoia or paranoid conditions, Epileptic psychoses, With psychoses, With mental deficiency, Undragnosed, With mental deficiency, Undragnosed, With mental deficiency, Undragnosed, With psychosis,	Total,
			1.928.447.05.899.0112154.47.012.8912.92 1.828.08888.44.84.7.307.8912.92	l

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses.

	IER IC IS.	Totals.		11111
	WITH OTHER SOMATIC DISEASES.	Females.	11111111111	11111
	WIT SC DIO	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1	11111
	c.	Totals.	11111111111	[-1]
	АБСОНОБІС	Females.	111111111111	1   1   1
	ALC	Males.	11111111111111	1 1 1 1
	ER ous	Totals.	1111111111111	111-1
į	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	11111111111	1111
	WITI B OR N	Males.	1111111111111	111-1
vi.	s,vo	Totals.	1111111111111	1111
Psychoses.	WITH HUNTINGDON'S CHOREA.	Females.	1111111111	11111
Psyc	HUNT	Males.	111111111111	1 1 1 1
	IS.	Totals.	11100111111111	30
	GENERAL PARALYSIS	Females.	11111111111	11511
		Males.	111001111111111	25
	CEREBRAL ARTERIO- SCLEROSIS.	Totals.	1-111111111	12111
		Females.	1-11111111111	[-11]
		Males.	111111111111	18111
		Totals.		1 1/1 1
	SENILE.	Females.		. 1 1 1 1 1
	ια	Males.	11-111111111	11111
		Totals.	412002111111141	11 30 1
	Total.	Females.	0101110000001	14212
		Males.	011000011111100	255
				· · · · · ·
	CAUSE OF DEAFH.		Influenza, Tacial erysipela, Tacial erysipela, Tuberenlosis of the lungs, Syphilis, Syphilis, Carcinoma of liver and rectum, Carcinoma of liver and rectum, Carcinoma of duodenum, Carcinoma of eccum, Arthritis deformans, Gangrene of leg, Shrangulated inguinal hernin, Septiecmia, Osteomyolitis,	Diseases of the Nervous System Cerebral spinal meningitis. Creebral benow these. General paralysis of the insane, Tabes dorsalis, Catatonic exhaustion,

Table 16.— Causes of Death of Patients classified with Reference to Principal Psychoses — Continued.

	TER C S.	Totals.	1111111	111 111 1 11
	WITH OTHER SOMATIC DISEASES.	Females.	1 4 1 1 1 1 1 1 1	111111111
	PIW BG ald	Males.	11111111	1111 111 1 11
	IC.	Totals.	1	1
	ALCOHOLIC,	Females.	1111111	111111 -
	ALC	Males.	1111111100	1-0-1111111
	ER OUS S.	Totals.	11111111	11111111111
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	1 1 1 1 1 1 1 1 1	
	WIT. BORD	Males.	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
s,	s'NC	Totals.	-11111111	1-11 111 1 11
Psychoses.	WITH HUNTINGDON'S CHOREA.	Females.	11111111	1 + 1 1 1 1 1 1 1 1
Psy	HUNT	Males.	-1111111	1-11-11-11
	J .;	Totals.	1111111	10-11111111
	OENERAL PARALSIS,	Females.	1:11:11:	111111111111
	OE PAI	Males.	11111111	16141 111 1 11
		Totals.	1 1 1 20 20 20 20 20 20 20 20 20 20 20 20 20	1001 11 1 11
	CEREBRAL ARTERIO- SCLEROSIS	Females.	111-12-11	1001 11- 1 11
	CEI	Males.	1111121110	1041 111 1 11
		.slatoT	20	H991 1-1 1
	SENILE.	Females.	111-101-10	H470   H-1   H-1
	18	Males.	111117116	160-1 111 1 11
		Totals.	1222 T T T T T T T T T T T T T T T T T T	222 1227
	TOTAL.	Females.	1012	111   111   22
	T	Males.	30	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	CAUSE OF DEATH.		Discusce of the Circulatory System. Acute vegetative endocarditis, Chronic endocarditis, Acute myocarditis, Chronic myocarditis, Mirtal insulficiency, Arterioselerosis, Corbital arterioselerosis, Corbital arterioselerosis, Coronary selerosis and occlusion, Cardiovascular-renal disease,	Diseases of the Respiratory System. Chronic bronchitisand myocarditis. Boncho-pneumonia, Lobar preumonia, Pulmonary cedana, Pulmonary gangene following broncho-pneumonia, Pulmonary enbolism, Empyema, following lobar pneumonia, Empyema following lobar pneumonia,

1.1	1 1	1 1	1 1	1	1 1	1	- []
1 1	1 1	1-1	1 1	ı	1 1	i	-
1 1	1 1	1 1	1 1	1	1 (	1	1
1 1	1 1	1 1	1 1	1	1 1	1	10
1 1	1 1	1 1	1 (	J	1 1	1	63
[ ]	1 1	Į I	1 1	1	1 1	'	∞
1 1	1 1	1-1	1 1	1	1 1	1	-
1.1	1 1	1 1	1 1	1	1 1	1	1
1 1	1 1	1 1	1 1	1	1 1	1	-
1 1	1 1	1.1	1 (	i	1 1	1	27
1 1	1 1	1 1	1 1	ı	1 1	L	1
1 1	1 1	1 1	1 1	1	1 1	ı	63
1 1	1 1	1 1	1.1	1	3 1	1	4
1.1	1 1	1 1	1 1	ŧ	1 1	-	7
1 1	1 1	1 1	1 1	J	1 1	-	37
1 1	1 1	1.1	1.1	ı	-		55
1 1	1 1	1 1	1 1	1	-	J	19
1 1	1 1	1 1	1.1	ı	1	1	36
1 1	1 1	- 1	1	-	1	1	51
1.1	1 1	<del>-</del> 1	1	-	1	1	28
1 1	1 1	1 1	1.1	1	ı	1	23
2			7	_	-	-	230
- 1	1 1		1	-		-	06
1 63		1.1		1	1	1	140
Tubercular enteritis and pulmonary tuberculosis, Acute gastritis, Acute gastritis, Acute and pulmonary and a series of the serie	Acute peritonitis, due to perfora- tion of ileum,	Diseases of the Genitourinary System. Chronic interstital nephritis, Pyelonephritis and myocarditis, .	Accidents, Violence and Sudden Suicide by hangling, Fracture of femur (accidental fall),	Fracture of nasal bone (laceration forehead),	Fractured ribs, contusion and infes- tion of right arm,	Laryngeal obstruction by bolus of food—asphyxiation,	Total,

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

		SED.	Totals.		11111	1 1 1 1 1 1
		AGNO	Females.	11111111111	11111	111111
		UNDIAGNOSED	Males.	1111011111111	11111	1 1 1 1 1 1
		TAL	Totals.		1-111	111111
		WITH MENTAL DEFICIENCY.	Females.	11111111111111	1-111	111111
		WITH	Males.		1 1 1 1	1 1 1 1 1 1
		uic rry.	Totals.	11-1111111111	11111	11111
		WITH PSYCHOPATHIC PERSONALITY.	Females.	1111111111111	1111	111111
		PSYCI	Males.	11-111111111	1111	111111
		<sub>ಲೆ</sub>	Totals.	111111111111	11111	1-111
		EPILEPTIC.	Females.	11111111111	1 1 1 1 1	111111
	SES.	EPI	Males.	111111111111	1 1 1 1 1	1-1111
	РусноѕЕ	PARANOIA OR PARANOID CONDITIONS.	Totals.	1 1 1 1 1 1 1 1 1 1 1 1 1	1-111	111111
			Females.	11111111111	1-111	1 1 1 1 1 1
			Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111	111111
		DEMENTIA PR.ECOX.	Totals.	. 4184441444111	-1110	11
			Females.	110111110000111	-1116	1-111-
			Males,	-, [  ] [ ] ] ] ] [	11111	11-1-1
		ON CIA.	Totals.	1111111111111	1-111	11-111
I		INVOLUTION MELANCHOLIA,	Females.	1111111111111	1-111	1 1 1 1 1
	ļ	INVO	Males.	1111111111	11111	11111
		Æ,	Totals.	-1-(11-1(11111	1111	111-11
		MANIC- DEPRESSIVE,	Females.		[ ] ] ] [	111-11
		DEP	Males.	11-1111111111	11111	11111
	CAUSE OF DEATH.			General Diseases.  Influenza, peda de	Diseases of the Nerrous System. Cerebral spinal meningitis, Cerebral hemorrhage, General paralysis of the insane, Tabes dorsalis, Catatonic exhaustion,	Diseases of the Circulatory System. Acute vogetative endocarditis, Chronic endocarditis, Acute myocarditis, Chronic myocarditis, Mitral insufficiency, Arteriosclerosis,

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	11-1	111		1	1 1		1 1 1	1 1	1 5	1	ಣ
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11=	1111	1 1 1	1 1	1	1 1	1	1 1	1 1	1 1	ı	60
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111	1111	1 1 1	1 1	ı	J I	1	1 1 1	1 1	1 1	3	-
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1 1 1	1 1 1 1	) 1 i	1 1	1	1 1	ı	1 1	1.1	1 1	1	1
114	16041		<del>-</del> 1	1	-2	-	1 -	1 1 4	l I	1	36
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1 1 00	10001	-11-	<del>-1</del> 1	1	1 67	-	1 1 1	1	1 1	1	20
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1 1 1	1 1 1 1	1 1 1	1	_	1 1	1 1	1 1	1 1	1 1	1	00
1 1 1	1 1 1 1	1 1 1	1	1	1 1	1	1 1	1 1	1 1	ı	1
110	100-1	111	-	1	1 1	1	1 1	- 1	1 1	_	133
1 1 1	1 00 1	111	1	ı	1 1	1 1	1.1	1 1	1 1	-	00
1161	1 1 1 1	1 1 1 1	-	1	1 1	1 1	1 1	<del></del> 1	1 t	1	70
clusion, .	ory System.	tollowing	ve System.	-omlud 1		o.	Diseases of the Genitourinary System.  System.  onic interstitial nephritis, donephritis and myocarditis.	ed Sudden lental fall), (laceration	n and infec-	jo snlog .	•
osis, nd oca l disea	and and	one ia, . m, .	restive	s and		lue to	enitou n. nephr myoce	s. s. sceide	usion	on by	
ioseler osis a r-rena	e Resp. chitis monia nia, .	gangre sumon bolisi lowing	he Dig	teriti	ilosis,	itis, d	Systen titial	riolene Death nging, nur (£	, cont	trueti ziatic	
arteri ' scler scula	s of the bronc pheumoleumo	ry for post of the control of the co	s of the	litis, ar en	stritis	us, rriton	uses of	nts, 1	dribs right	asphy	1,
Cerebral arteriosclerosis, Coronary sclerosis and occlusion, Cardiovascular-renal disease,	Diseases of the Respirat Chronic bronchitis and ditis, Broncho-pneumonia, Lobar pneumonia,	Fulmonary gangrene broncho-pneumonia, Pulmonary embolism, Empyema, following lo monia	Diseases of the Digesti	Enterocolitis, . Tubercular enteritis an	nary tuberculosis, Acute gastritis, Intestinal obstruction	Acute peritonitis, due tion of ileum	Diseases of the Genital System. Chronic interstitial nep Pyelonephritis and myo	Accidents, Violence and Sudden Deaths. Suicide by langing, Fracture of formu (accidental fall) Fracture of massl bono (lanceration	forehead), Fractured ribs, contusion tion of right arm,	Laryngęal obstruction food—asphyxiation,	Total,
			4	'	-	~	-		, ,		

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

		Totals.	11-0111-11101-111-1	9
	40-45.	Females.	111111111111111111111111111111111111111	67
		Males.	11-0111-1111-1-111-1	œ
		Totals.	111411111111111111111111111111111111111	21
	35-40.	Females.	11   60   1   1   1   1   1   1   1   1   1	4
	60	Males.	111811111111111111111111111111111111111	17
		Totals.	1110011111111111111111111111111	=
	30-35.	Lemales.	[] [] [] [] [] [] [] [] [] [] [] [] [] [	က
	60	Males.		∞
		Totals.	111111111111111111111111111111111111111	က
YEARS.	25-30.	Females.	[11][[1][[0]][[1][[1]]	62
Y.	87	Males.	111111111111111	-
		Totals.	[11][1]]]]]	4
	20-25.	Females.	11111111111111	4
	Ñ	Males.	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	15-20.	Totals.	1311111111111111111111	ı
		Females.		1
		Males.		1
		Totals.		1
	UNDER 15.	Females.		1
	UNI	Males.		1
		Totals.	1.25.24   1.01   1.02   1.25.24   1.25.25   1.2	230
	LOTAL	Females.	180111011100000111011	96
	-	Males.	1897   1   1   1   2   3   3   3   3   3   3   3   3   3	140
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			is to,	
		SES.	disegenous,	
		Psychoses.	rosis rea, vous sees, ases, ases, rose onali	
li .	ţ	Psy	ioscle ilis, s cho r ner other olia, id co id co id co pers	
			Fraumatic, Scalie, With cerebral arteriosclerosis, General paralysis, With ecebral syphilis, With Brain tumor, With brain tumor, With often brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With often somatic diseases, With often somatic diseases, With pellagra, With pellagra, With often somatic diseases, Manic-depressiv. Dementia precox, Dementia precox, Epileptic, Paranoia or paranoid conditions, Epileptic, With mental deficiency, With mental deficiency. With mental deficiency. With mental deficiency.	
			c, bral bral bral titing trings in the branch branc	
			Fraumatic, Senile, Gwile, erebral arter Gwith cerebral syph With Huutingdon' With Huutingdon' With Drain tumor, With Other brain of Alcoholic, Due to drugs and With other somatic With other somatic With other somatic With other somatic Manic-depressive Involution melanci Dementin pracox, Epileptic, Paranoia or paran Esychoneurose an Raychoneurose an With psychopathic With mental defici	Total,
				T
			1.9%4.7.0.7.8.0.0.1.9.2.4.7.0.7.8.0.0.1.9.9.1.9.9.1.9.9.1.9.9.9.1.9.9.9.9	

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

	80.	Totals.		31
	OVER 80.	Females.	141111111111111111111111111111111111111	15
	-6	Males.	[p-@]	16
		Totals.	146111111111111111111111111111111111111	24
	75-80.	Females.	19111111111111111111111	∞
		Males.	1002-1111111111111111111111111111111111	16
		Totals.	100111110111111411111111	25
	70-75.	Females.		12
		Males.	1015-11111-1111111111111111111111111111	13
		Totals.	192011111111111111111111111111111111111	23
	65-70.	Females.	1800-11111111-1111-1	13
RS.		Males.	100411111111111111111111111111111111111	10
YEARS.		Totals.	[488]]][4]]	31
	60-65.	Females.	1-01111-1110	10
	9	Males.	1000011110111410111111	21
		Totals.	1-041-11-11-1-01-11-11-1	17
	55-60.	Females.		6
	23	Males.		∞
		Totals.		19
	50-55.	Females.	111-11111111111111111111111111111111111	9
	,	Males.	11-01-101111101111111	13
		Totals.		11
	45-50.	Females.	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	2
	4	Males.		6
				٠
	Psychoses.		· · · · · · · · · · · · · · · · · · ·	
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			disection on s, '	
			rosis rosis rous rous resc, rose roses rous	
Psv		2	oscle iis, chor nerv ther dise dise dise dise nevs	
			Tranmatic, Senile, With cerebral arteriosclerosis, With cerebral syphilis, With therebral syphilis, With Inuningdon's chorea, With Inuningdon's chorea, With Inuningdon there, With Inuningdon to nervous diseases, With Orlier brain or nervous diseases, With other brain or nervous diseases, With other somatic diseases, With other somatic diseases, Manic-depressive Demonstra precox, Demonstra precox, Demonstra precox, With psychopathic personality, With mental deficiency, With mental deficiency, With mental deficiency, With unental deficiency, Without psychosis,	
			ralla a ralla ralla a ralla ralla a ralla ra	
			raumatic, enile, ciril, cerebral lifth cerebral lifth cerebral lifth cerebral lifth cerebral lifth brain to will be considered to the brain to be considered to the brain lifth pellagram. The other son lamin-clean pressured to the brain to be considered to brain to be considered to be principal to brain to be considered to brain to be considered to be consi	tal,
			Traumatic, Senile, With cerebral arteri With cerebral sarteri General paralysis, With cerebral styphi With Huntingdon's With other brain or Alcoholic, Due to drugs and o With pellagras, With cheler somatic Manic-depressive, Involution melanch Dementia precox, Paranoia or paranoi Epileptic, With mental deficie With mental deficie With mental deficie. Undagnosed, Undagnosed, Undagnosed,	Total,
			7.22.22.22.22.22.22.22.22.22.22.22.22.22	

TABLE 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

H	1			1
	0.	Totals.	[1400   4] [ ] [ ] [ 4   4   4   4   4   4   4   4   4   4	22
Years.	5-10.	Females.	[	12
		Males.	11441411111114141414	10
		Totals.	1637070       -	17
	3-4.	Females.	1141111111111111111111	9
		Males.	101-10111111111111111111111111111111111	=
		Totals.	14001-11-11-2-8-1-11-1	52
	1-2.	Females.	1401111111111001111111	10
		Males.	100001-11-11-11-11-11-11-11-11-11-11-11-	42
		Totals.	120001111011111111111111111111111111111	15
	8-12.	Females.	100-111111111111111	9
	80	Males.	100001111011111111	6
		Totals.	[0-20]]]]-]]	22
	4-7.	Females.	[10] [] [ ] [ ] [ ] [ [] [ 0] [ ] [ ] [ ] [ ]	2
THS.		Males.	14-4 [] [- [] [- [] [] []	12
Months.	1-3.	Totals.	1004111111114441111111	36
		Females.	1000-[]]]]]]]=== []]]]	18
		Males.	1954	18
	LESS THAN 1.	Totals.	1.07.01	35
		Females.	140111111111111111111111111111111111111	12
	LESS	Males.	1-4-21   1   1   1   1   2   1   1   1   1	23
	;	Totals.	1224   01   01   12000 04   0000 1	230
Tomar	W TO	Females.	180111011100000111011	06
-	-	Males.	161616161616176	140
			• • • • • • • • • • • • • • • • • • • •	٠
				٠
			Praumatic, Senile, Senile, With cerebral arterioselerosis, With cerebral syphilis, With brain tumor, With brain tumor, With brain tumor, With huntingdou's choren, With other brain or nervous diseases, Alcolodie, Due to drugs and other exogenous toxins With other somatic diseases, Manic-depressive, Mith other somatic diseases, Manic-depressive, Dementa precox, Dementa precox, Dementa precox, Sepiloptic pranoid conditions, Epileptic Psychopathic personality, With mental deficiency, With mental deficiency, With mental deficiency, With untural deficiency, With untural deficiency,	
S.				
		1001	ca, ca, ca, co, co, co, co, co, co, co, co, co, co	
Psychoses			is, chor nerv nerv nerv nerv nerv nerv nerv ner	
			Praumatic, Sonile, With cerebral arterioselerosis, General paralysis, With cerebral syphilis, With Authingdon's chorea, With Authingdon's chorea, With Authingdon's chorea, With Active brain or nervous dise Alcoholic, Due to derugs and other exogeno With pellagra, With other somatic diseases, Mani-celpressave, Involution melancholia, Involution melancholia, Paranoia or paranoid conditions, Epileptic, Paranoia or paranoid conditions, Epileptic, With psychopathic personality, With practicular deficiency, Undiagnosed, Undiagnosed,	
			Traumatic, Senile, With creebral arter General paralysis, With creebral syph With Huntingdon's, With brain tumor, With huntingdon's, With other, brain o Due to drugs and e Deneming presox, Paranoia or parano Epileptic, Epileptic, With mental defice	٠
			Traumatic, Senile, America Senile, America Senile, America Senile, With cerebral sa With exceptal sa With Hutting de With Hutting de With horis tum With other brain tum With other seni With pellagra, With pellagra, With other some With pellagra, With other some With pellagra, With other some With pellagra, With manfal del Windiagnosch, Undiagnosch, Undiagnosch, With mental del Undiagnosch,	-
			Tranmatic, Sonile, i. With creb With Corpus of With cereby With Carbon With Plundin With brain With brain With pollage With other Monitorian With other Manie-deprendent of the With other With pollage With other With pollage With other With properties of the With psycholar Without psy Without psy	Total,
			Frau. Senii With With With With With With With Wi	I
			22.20.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	

Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.

		Totals.	
	45-50.	Females.	11-11-11-11-11-1-1
	4	Males.	
		Totals.	
	40-45.	Females.	
		Males.	111111111111111111111111
		Totals.	111111111111111111111111111111111111111
	35-40.	Females.	111111111111111
		Males.	111111111111111111111111111111111111111
		Totals.	1-11-11-1-1-1-1-1-1-1-1-1-0
	30-35.	Females.	11111111111111111111111
RS,		Males.	14111111411111111111111 0
YEARS,		Totals.	1 = 1   1   1   1   1   1   1   1   0
	25-30.	Females.	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	~~~	Males.	131111111111111111111111111111111111111
		Totals.	111111111111111111111111111111111111111
	20-25.	Females.	111111111111111111111111111111111111111
		Males.	11111111111111111111111111
	15-20.	Totals.	
		Females.	1
		Males.	111111111111111111111111111111111111111
		Totals.	1804-1111-11-11-11-11-11-11-1
	10-15.	Females.	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	-	Males.	14011114114141414
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			ases,
	SES.		disse disse distribute
Psychoses.			rea, rea, rea, rouse sases ondii ondii
	P.S.		nins, nins, nins, nins, nins, nother
			Traumatic, Soulie- Soulie- Soulie- With cerebral arteriosclerosis, General paralysis. With cerebral syphilis, With Huttingdon's chorea, With brain tumor, With Drain tumor, Mith other brain or nervous diseases, Alcoholic.  Due to drugs and other exogenous toxins, With tother somatic diseases, With other somatic diseases, Mith other somatic diseases, Involution melancholia, Dementia præcox, Dementia præcox, Epileptic, Psychoneuroses and neuroses, With psychopathic personality, Undiagnosed, Undiagnosed, Total,
			Traumatic, Sonile, Sonile, General paralya General paralya With cerebral s With Huntingd With Huntingd With Other bra Alochiote bra Alochiote bra Alochiote bra Alochiote bra Mith pelagra, With pelagra, With other son With other son With perceptossi Livolution neel Dementia prace Egyleptic, Egyleptic, Egyleptic, Undagnosed, Undagnosed, Undagnosed, With psychopa
			Traumatic Senile. Senile. With cereb General page With cereb With brain with brain with brain br
			161844697899911313459118899913

Table 19. — Family-care Department.

	Males.	Females.	Totals.
Remaining Sept. 30, 1919,	1	34	35
Admitted within the year,	_	12	12
Nominally returned from visit for discharge,	-	-	-
Whole number of cases within the year,	1	46	47
Dismissed within the year,	1	21	22
Returned to the institution,	1	19	20
Discharged,	_	-	-
Died,	_	_	-
Visit, . ·	_	2	2
Escaped,	_	-	-
Remaining Sept. 30, 1920,	-	25	25
Supported by the State,	_	16	16
Private,	_	4	4
Self-supporting,	-	5	5
Number of different persons within the year,	1	44	45
Number of different persons admitted,	1	12	13
Number of different persons dismissed,	1	18	19
Daily average number,	.08	28.83	28.91
State,	.08	20.74	20.82
Private,	-	4.67	4.67
Self-supporting,	-	3.42	3.42









